

حمید رضا ربیعی



- استاد تمام پایه ۳۷، دانشکده مهندسی کامپیوتر، دانشگاه صنعتی شریف
- نشان ملی علامه طباطبایی (۱۴۰۴)، استاد برتر ارتباط با صنعت کشور (۱۴۰۳)، مهندس برجسته برق و کامپیوتر فرهنگستان علوم ایران (۱۴۰۲)، دانشمند برتر ارتباط با جامعه و صنعت (۱۴۰۱)، استاد نمونه کشوری (۱۴۰۰) و فناوری برتر کشور (۱۳۹۷)
- رئیس مرکز نوآوری علوم داده و هوش مصنوعی دانشگاه صنعتی شریف
- موسس پژوهشکده فناوری اطلاعات و ارتباطات پیشرفته دانشگاه صنعتی شریف
- موسس مرکز رشد فناوری‌های پیشرفته دانشگاه صنعتی شریف
- عضو وابسته فرهنگستان علوم ایران (اتاق فکر هوش مصنوعی) و اتاق فکر مرجعیت علمی وزارت عتف
- عضو حقیقی ستاد توسعه فناوری و کاربردی سازی هوش مصنوعی کشور
- مشاور سازمان جهانی بهداشت (WHO) و عضو گروه سلامت دیجیتال فرهنگستان علوم پزشکی ایران
- عضو ارشد انجمن علمی IEEE و انجمن جهانی IFIP
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فعالیت های علمی در یک نگاه

سوابق آموزشی

- بیش از ۳۰ سال سابقه تدریس در دانشگاه های آمریکا و ایران. طراحی ۱۵ درس جدید در مقاطع کارشناسی و کارشناسی ارشد دانشگاه های OSU، PSU، OGI و صنعتی شریف
- تالیف ۳ کتاب و ترجمه ۱ کتاب
- همکاری در طراحی و راه اندازی گرایش های: کارشناسی فناوری اطلاعات، کارشناسی ارشد بیوانفورماتیک، دکترای علوم اعصاب دانشگاه صنعتی شریف و دکترای هوش مصنوعی در علوم پزشکی (دانشگاه علوم پزشکی ایران)
- همکاری در راه اندازی آموزش مجازی: پردیس کیش دانشگاه صنعتی شریف، از موسسین دانشگاه مجازی مهر البرز
- مدیرسابق گروه فناوری اطلاعات دفتر برنامه ریزی آموزش عالی
- عضو سابق گروه تخصصی کامپیوتر دفتر برنامه ریزی آموزش عالی، وزارت عتف

سوابق پژوهشی

- بیش از ۳۰ سال سابقه تحقیق در دانشگاه ها و شرکت های برتر آمریکا (دانشگاه های USC، OSU، Purdue، Intel و شرکت های AT&T Bell Labs)، دانشگاه Imperial College لندن و دانشگاه صنعتی شریف
- انتشار بیش از ۲۵۰ مقاله ژورنال و کنفرانس معتبر بین المللی (ارجاعات ۸۴۴۱، اچ-ایندکس ۳۷، ای-۱۰-ایندکس ۱۴۵)
- نفر اول دانشکده مهندسی کامپیوتر بر اساس معیارهای WoS، Scopus و تعداد ارجاعات Google Scholar.
- موسس پژوهشکده فناوری اطلاعات و ارتباطات پیشرفته دانشگاه صنعتی شریف (مرکز تحقیقاتی مهندسی برتر کشور ۱۳۹۳، وزارت عتف)
- تقدیر شده در MIT Technology Review برای تحلیل هوشمند داده های پزشکی
- ایجاد ۵ آزمایشگاه تحقیقاتی مهندسی کامپیوتر: علوم داده، هوش مصنوعی، یادگیری ماشین و علوم همگرا در دانشگاه صنعتی شریف

فناوری و ثبت اختراع

- طراحی و ساخت و تجاری سازی بیش از ۲۰ فناوری جدید در حال استفاده در سطح کشور و دنیا
- ۳ ثبت اختراع در آمریکا و ۱ ثبت اختراع در ایران
- موسس مرکز رشد فناوری های پیشرفته دانشگاه صنعتی شریف (۱۳۸۲)

شرح حال علمی - حمیدرضا ربیعی

- موسس مرکز نوآوری فاوا و هوش مصنوعی پژوهشکده فاوای پیشرفته دانشگاه صنعتی شریف
- رئیس مرکز نوآوری علوم داده و هوش مصنوعی دانشگاه صنعتی شریف

کارآفرینی و تاسیس شرکت های دانش بنیان

- موسس و رئیس سابق مرکز رشد دانشگاه صنعتی شریف (۱۳۸۲): ایجاد بیش از ۵۰۰ شرکت دانش بنیان در طی ۲۰ سال
- ایجاد یا کمک در ایجاد بیش از ۵۰ شرکت دانش بنیان با بیش از ۵۰۰ متخصص دانش آموخته نخبه داخل و خارج از کشور به ارزش بیش از ۲۰۰۰ میلیارد تومان
- طراحی و پیاده سازی چرخه فروش خدمات دیجیتال اپراتور همراه اول با گردش مالی بیش از دوازده هزار میلیارد تومان در طی ۱۰ سال
- طراحی زیست بوم فناوری اطلاعات و ارتباطات پیشرفته دانشگاه صنعتی شریف
- طراحی زیست بوم نوآوری دانشگاه صنعتی شریف و همکاری در ایجاد بیش از ۵۰۰۰ شغل مستقیم

نقش آفرینی در پروژه های ملی

- مدیر طراحی سکوی متن باز ملی هوش مصنوعی
- مدیر طراحی و پیاده سازی بازار دیجیتال کشور
- مدیر طراحی مدرنیزه سازی نظام ملی کاداستر کشور
- مدیر طرح مشاوره، طراحی و نظارت (عامل چهارم) کارت هوشمند سوخت (۱۰ سال)
- طراحی و پیاده سازی سامانه کارت سوخت بانکی
- طراحی شبکه دیتای کشوری همراه اول
- طراحی پلتفرم ارزیابی خدمات دیجیتال کشوری همراه اول (بیش از ۴۰ میلیون مشترک)
- طراحی و پیاده سازی سامانه ملی داده های باز کشور
- طراحی شبکه کشوری خدمات ابری سازمان فناوری اطلاعات
- طراحی و پیاده سازی دولت همراه کشور (بیش از ۱۰ میلیون مشترک)

فعالیت های اجرایی-علمی

- رئیس مرکز نوآوری علوم داده و هوش مصنوعی دانشگاه صنعتی شریف
- عضو هیات اجرایی جذب دانشگاه صنعتی شریف
- عضو حقیقی ستاد ستاد توسعه فناوری و کاربردی سازی هوش مصنوعی کشور
- رئیس پژوهشکده فناوری اطلاعات و ارتباطات پیشرفته شریف (۲۳ سال)
- رئیس مرکز رشد فناوری های پیشرفته دانشگاه صنعتی شریف (۲ سال)
- عضو هیات ممیزه دانشگاه صنعتی شریف (۸ سال)
- معاون ارتباطات علمی و فناوری اطلاعات مرکز تحقیقات مخابرات ایران (۲ سال)
- عضو شورای راهبردی دانشگاه صنعتی شریف
- عضو شورای راهبردی پارک علم و فناوری دانشگاه صنعتی شریف
- عضو حقیقی شورای فناوری اطلاعات کشور
- عضو کمیته علمی پژوهشکده علوم کامپیوتر پژوهشگاه علوم بنیادی (IPM)
- رئیس کارگروه علمی علوم و فناوری اطلاعات جایزه بین المللی مصطفی(ص) (۸ سال)
- عضو کمیته علمی و راهبردی صندوق حمایت از پژوهشگران و فناوران کشور (۲ سال)
- عضو گروه تخصصی کامپیوتر دفتر برنامه ریزی آموزش عالی، وزارت علوم، تحقیقات و فناوری (۲ سال)
- عضو کمیته سلامت دیجیتال فرهنگستان علوم پزشکی

- عضو کمیته مرجعیت علمی وزارت علوم، تحقیقات و فناوری
- عضو میز هوش مصنوعی وزارت علوم، تحقیقات و فناوری
- عضو وابسته فرهنگستان علوم ایران

فعالیت های کاری و علمی بین المللی و ملی

- محقق و مهندس نرم افزار ارشد شرکت Intel آمریکا
- محقق ارشد AT&T Bell Labs آمریکا
- همکاری پژوهشی با ۱۰ دانشگاه برتر دنیا
- عضو هیات تحریریه مجله بین المللی SNAM (Q1)
- عضو TPC در ۵ کنفرانس برتر بین المللی دنیا در هوش مصنوعی و علوم داده
- عضو هیات تحریریه ژورنال علمی انجمن کامپیوتر
- عضو هیات تحریریه ژورنال علمی انجمن فناوری اطلاعات
- مشاور گروه کاربردهای هوش مصنوعی در سلامت سازمان بهداشت جهانی WHO

عضویت در انجمن های علمی بین المللی و ملی

- عضو ارشد انجمن علمی IEEE
- عضو انجمن جهانی متخصصین IFIP
- عضو وابسته فرهنگستان علوم ایران (گروه هوش مصنوعی و کوانتوم - گروه فنی و مهندسی)
- عضو کمیته سلامت دیجیتال فرهنگستان علوم پزشکی
- عضو انجمن مهندسی کامپیوتر ایران
- عضو انجمن فناوری اطلاعات ایران
- عضو انجمن Golden Key Honor Society

جوایز و افتخارات

- دریافت کننده جایزه ملی علامه طباطبایی (۱۴۰۴)
- استاد برتر ارتباط با صنعت کشور (۱۴۰۳)، وزارت عتف
- استاد برتر فناوری دانشگاه صنعتی شریف (۱۴۰۳)
- مهندس برجسته برق و کامپیوتر فرهنگستان علوم ایران (۱۴۰۲)
- استاد نمونه کشوری - وزارت عتف (۱۴۰۱)
- دانشمند برتر در حوزه ارتباط با جامعه و صنعت - وزارت عتف (۱۴۰۰)
- تولید کننده فناوری برتر در کشور - وزارت عتف (۱۳۹۸)
- فناوری برتر کشور - وزارت عتف (۱۳۹۷)
- مرکز تحقیقاتی مهندسی برتر کشور - وزارت عتف (۱۳۹۳)
- استاد برتر و فناوری برتر کشور به انتخاب جشنواره ملی فاوا (۱۳۹۲)
- پژوهشگر برتر دانشکده مهندسی کامپیوتر دانشگاه صنعتی شریف (چندین دوره)
- استاد برتر ارتباط با صنعت دانشگاه صنعتی شریف (چندین دوره)
- جایزه Diversity Award شرکت AT&T Bell Labs، آمریکا، ۱۳۷۴
- جایزه برترین نوآوری جهت توسعه کدک Indeo©، شرکت Intel آمریکا، ۱۳۷۷

فعالیت های فرهنگی

- طراح و توسعه دهنده وبگاه آثار الکترونیکی شهید استاد مطهری
- طراحی و پیاده سازی کتابخانه ابری همراه امام خمینی (ره)
- همکاری در راه اندازی دبیرخانه دائمی همایش بین المللی دین، فرهنگ و تکنولوژی
- طراحی و مدیریت پیاده سازی اپلیکیشن قرآنی

تحصیلات

دانشگاه پردو، وست لافایت (Purdue University)، آمریکا	دکتری (۱۹۹۶ میلادی)
برق و کامپیوتر - هوش مصنوعی	با رتبه عالی (معدل ۳.۹۵)
دانشگاه کالیفرنیا جنوبی (USC)، آمریکا	کارشناسی ارشد (۱۹۹۱ میلادی)
برق و کامپیوتر - بینایی ماشین و پردازش تصویر	با رتبه عالی (معدل ۴.۰)
دانشگاه ایالتی کالیفرنیا، آمریکا	کارشناسی ارشد (۱۹۸۹ میلادی)
برق - پردازش سیگنال	با رتبه عالی (معدل ۴.۰)
دانشگاه ایالتی کالیفرنیا، آمریکا	کارشناسی (۱۹۸۷ میلادی)
برق - پردازش سیگنال و مخابرات (اخذ کارشناسی در طی تنها ۲ و نیم سال)	با رتبه عالی (معدل ۳.۹۲)

پروژه های مهم و گرنت های پژوهشی اخیر

در طی حضور ۲۵ ساله خود در دانشگاه صنعتی شریف بیش از ۱۲۵ پروژه موفق ارتباط با صنعت و گرنت پژوهشی جذب کرده‌ام. علاوه بر این موسس پژوهشکده فناوری اطلاعات و ارتباطات پیشرفته، مرکز رشد فناوری های پیشرفته دانشگاه، ۲ مرکز تحقیقاتی، ۵ آزمایشگاه تحقیقاتی و بیش از ۵۰ شرکت دانش بنیان موفق بوده‌ام. ارتباط بین المللی با بیش از ۱۰ مرکز تحقیقاتی و دانشگاه برتر دنیا، مشاور گروه هوش مصنوعی برای سلامت سازمان جهانی WHO، Associate Editor مجله معتبر بین المللی SNAM و عضویت در کمیته علمی کنفرانس های تراز اول دنیا، از فعالیت های بین المللی اینجانب می باشد. خلاصه ای از فعالیت های اخیر ما در ذیل آمده است.

- طراحی و پیاده سازی سکوی هوش مصنوعی، ۱۴۰۳ الی ۱۴۰۴ (در حال انجام)
- کرسی پژوهشی بنیاد ملی علم ایران با موضوع تولید مدل های سه بعدی صدا دار پویا با استفاده از هوش مصنوعی مولد (آغاز شده در آذر ماه ۱۴۰۴)
- طراحی و پیاده سازی سامانه هوشمند تشخیص و توصیه درمان سکنه مغزی ایسکمیک حاد (MVP خاتمه یافته)
- مطالعه، طراحی و پیاده سازی بازار دیجیتال کشور، ۱۴۰۲ الی ۱۴۰۳، خاتمه یافته
- کرسی پژوهشی گروهی بنیاد ملی علم ایران با موضوع تشخیص سرطان با هوش مصنوعی، ۵ ساله صندوق حمایت از پژوهشگران و فناوران کشور، با همکاری دانشگاه برکلی آمریکا، ۱۳۹۶ الی ۱۴۰۲
- طراحی سیستم پیشرفته نظام ملی کاداستر، ۱۳۹۸ الی ۱۴۰۰، خاتمه یافته
- عضو پروژه ملی تحقیقاتی Parkinson Project via DopaCell Transplantation با همکاری پژوهشگاه رویان، ۱۳۹۸ تاکنون
- گرنت پژوهشی وزارت علوم آلمان BMBF Grant on DBS Treatment of Parkinson، با همکاری دانشگاه دوسلدورف، ۱۳۹۸

- گرنت پژوهشی از معاونت علمی و فناوری ریاست جمهوری برای تأسیس مرکز تحقیقاتی مهندسی اعصاب و علوم شناختی، ۱۳۹۸ تا کنون (به صورت مشترک با دکتر علی قاضی زاده)
- طراحی و ساخت پلتفرم تحلیل هوشمند داده های حجیم، ۱۳۹۷، خاتمه یافته
- طراحی و ساخت سامانه داده های باز کشور، ۱۳۹۷، خاتمه یافته
- گرنت ساخت دستگاه بومی بایوپرینتر ۳ بعدی، (منجر به تأسیس شرکت دانش بنیان گردیده است)، ۱۳۹۷، خاتمه یافته
- گرنت طراحی و ساخت پلتفرم ابری، ۱۳۹۳، (منجر به تأسیس شرکت دانش بنیان گردیده است)، ۱۳۹۵، خاتمه یافته
- طراحی و ساخت سامانه ملی کارت بانکی به عنوان کارت سوخت، ۱۳۹۷، خاتمه یافته
- طراحی و ساخت سامانه ملی دولت همراه، ۱۳۹۶، خاتمه یافته
- گرنت طراحی و ساخت سیستم های ذخیره سازی داده های کلان، (تأسیس شرکت دانش بنیان)، ۱۳۹۵، خاتمه یافته
- طراحی شبکه ملی دیتای شرکت همراه اول، خاتمه یافته
- مشاور و ناظر طرح ملی نرم افزارهای متن باز، خاتمه یافته
- مشاور و ناظر طرح ملی کارت هوشمند سوخت (۱۰ سال)، خاتمه یافته

برخی فناوری ها و شرکت های دانش بنیان اخیر

- طراحی و توسعه ۲۰ فناوری پیشرفته بومی و تأسیس ۵۰ شرکت دانش بنیان موفق
- طراحی و ساخت سیستم ذخیره سازی داده های کلان بومی، در حال استفاده در بیش از ۴۵ سازمان با فروش بیش از ۳۰۰ میلیارد تومان در ۳ سال گذشته (شرکت دانش بنیان پرسا)
- طراحی و ساخت سامانه پیشرفته و بومی API Management، در حال استفاده در ۴ مرکز بزرگ در سطح کشور
- طراحی و ساخت دستگاه بایوپرینتر ۳ بعدی، در حال همکاری با دانشگاه علوم پزشکی تهران در ساخت پروتز پروتز استخوانی قابل کاشت در بدن بیمار و فروش به خارج از کشور
- طراحی و پیاده سازی پلتفرم هوشمند تحلیل داده و تشخیص بیماری (کوید ۱۹ و سرطان سینه) از طریق تصاویر پزشکی AI-MED
- طراحی و پیاده سازی پلتفرم یادگیری ماشین و هوش مصنوعی Wize برای پردازش کلان داده ها
- طراحی و پیاده سازی سامانه هوشمند دولت همراه کشور
- طراحی و پیاده سازی سامانه پردازش داده های مکانی و باز کشور
- تقدیر شده در سایت MIT Technology Review برای تحلیل هوشمند داده های پزشکی^۱

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IMPERIAL COLLEGE	استاد مدعو (۱۳۹۶ الی ۱۳۹۸)
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مرکز نوآوری علم داده و هوش مصنوعی	رئیس مرکز تحقیق، توسعه و اجرای نوآوری فناوری های هوش مصنوعی (۱۳۹۹ تا کنون)
پژوهشکده AICT دانشگاه شریف	موسس و رییس پژوهشکده (۱۳۸۰ تا کنون)

¹ [How Data Mining Reveals the World's Healthiest Cuisines](#)

عضو کمیته علمی پژوهشکده علوم کامپیوتر (۱۳۸۳ تا کنون)	پژوهشگاه علوم بنیادی (IPM)
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سوابق اجرایی

- عضو میز هوش مصنوعی وزارت علوم، تحقیقات و فناوری
- عضو گروه تخصصی کامپیوتر دفتر برنامه ریزی آموزش عالی، وزارت علوم، تحقیقات و فناوری
- رئیس و موسس پژوهشکده فناوری اطلاعات و ارتباطات پیشرفته شریف
- رئیس (۲ سال) و موسس مرکز رشد فناوری های پیشرفته دانشگاه صنعتی شریف
- عضو هیات ممیزه دانشگاه صنعتی شریف
- عضو کمیته مرکزی جذب دانشگاه صنعتی شریف
- عضو شورای راهبردی دانشگاه صنعتی شریف
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- عضو حقیقی شورای فناوری اطلاعات کشور
- عضو حقیقی ستاد توسعه فناوری و کاربردی سازی هوش مصنوعی کشور
- رئیس کارگروه علمی علوم و فناوری اطلاعات و ارتباطات جایزه بین المللی مصطفی(ص)
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افتخارات

- دریافت کننده جایزه ملی علامه طباطبایی (۱۴۰۴)
- فناور برتر دانشگاه صنعتی شریف (۱۴۰۳)
- استاد برتر ارتباط با صنعت در سطح ملی، وزارت علوم، تحقیقات و فناوری (۱۴۰۳)
- مهندس برجسته برق و کامپیوتر فرهنگستان علوم ایران (۱۴۰۲)
- دانشمند برتر کشور در ارتباط با جامعه و صنعت (۱۴۰۱)
- استاد نمونه کشوری (۱۴۰۰)
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- برترین استاد ارتباط با صنعت، دانشگاه صنعتی شریف، ۱۳۹۲
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- برترین نوآوری مهندسی کامپیوتر، معاونت پژوهشی وزارت علوم، تحقیقات و فناوری، ۱۳۸۹
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- جایزه Diversity Award شرکت AT&T Bell Labs، آمریکا، ۱۳۷۴
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 - TPC Member, IEEE/ACM Int. Conf. on Advances in Social Networks Analysis and Mining
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 - Reviewer for IEEE Transactions on TGRS
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 - Scientific Chair of the AISP 2011 International Conference, Tehran, Iran, 2011.
 - General Chair of the 15th Iranian Electrical Engineering Conference, Tehran, Iran, 2007.
 - Scientific Chair of the Second E-Learning Conference, Tehran, Iran, 2005.

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