

RAHUL VISHWAKARMA

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EDUCATION

California State University, Long Beach

M.S. Computer Science. Awarded Graduate Dean List; Outstanding Research Scholar Thesis (NSF Grant. 2245247): *Towards Uncertainty-Aware Hardware Trojan Detection*

California, United States

Jan 2022 - May 2024

SRM Institute of Science and Technology

Bachelors of Technology **Computer Science & Engineering**

Chennai, India

Aug 2005 - May 2009

EXPERIENCE

Blue Ridge Labs at Robin Hood

Brooklyn, United States

Entrepreneur in Residence - Launch Fellowship

Aug 2024 - present

- Creating technology based on AI that improves the lives of communities experiencing poverty.

MindfulPerformance

California, United States

Product Management and Machine Learning Engineer

June 2024 - July 2024

- Designed AI based precision match for athlete and coaches along with the full-stack development of the platform.

Dell Technologies

Bangalore, India

AI Product Owner | Machine Learning Engineer

June 2018 - Dec 2021

- Responsible for driving Go To Market strategies, develop the business case by analyzing customer needs, market trends, feature prioritization, and Product Road-map for AI features in Dell Power Protect Data Manager (PPDM) - self-guided recovery (US Patent. 17/667,176) and data migration (US Patent. 11/243,705).
- Created detailed requirements based on a deep understanding of user requirements and customer usage data. Worked closely with engineering to deliver high-quality AI product feature for Dell Cloud IQ data criticality (US Patent. 17/236,044) based on the KPI and customer demand using agile development process.
- Conducted market analysis, competitive analysis for security and cloud tier products (Cloud Tier for LTR - long term retention with AWS, Azure, GCP). Direct engagement with the support, sales, marketing, advertisement to make the product more customer focused and updated with market trends.

Senior Software Engineer

Mar 2017 - May 2018

- Architected and developed anomaly aware log retrieval from DAE (U.S. Patent 11/513,931) and adaptive key rotation based on critical data (U.S. Patent 17/652,606) implemented in Dell Power Protect Data Domain.
- Planned, designed, and implemented Data Domain interoperability integration with Dell products and third-party vendors by creating automation libraries in Python, which significantly enhanced customer operations.
- Designed and patented an internal tool for ECS Cloud capacity planning (time-series) and disk failure detection (classification and clustering) for Data Domain install base (90,000+ systems) using telemetry data.

Hewlett Packard Enterprise

Bangalore, India

Solution Architect

May 2015 - Mar 2017

- Enhanced OS efficiency and scalability on HPE Converged Systems 900 by creating optimized modular images for Red Hat Enterprise Linux and SUSE Linux Enterprise Server by ensuring compatibility with hardware and optimized performance, enhancing reliability and performance of Mission Critical Solutions at HPE.
- Led certification and automated deployment of HPE Converged Systems for SAP HANA, designing a scalable backup architecture with HPE 3PAR ensuring SAP HANA operations and data protection.
- Implemented HPE 3PAR as external storage for ProLiant DL580, integrating with SAP HANA studio for efficient Backup/Recovery operations using backint with HPE Data Protector improving data management efficiency.

Tata Consultancy Services

Bangalore, India

Information Technology Analyst

Oct 2009 - Apr 2015

- Directed ACS development for collections at CITI Bank N.A., led a team of 6 as a COBOL developer, coordinated projects, collaborated effectively with clients, and achieved a 30% collection efficiency improvement.
- Managed the automation of regression testing for Symmetrix VMAX and EMC Celerra (VNX), implemented automation scripts resulting in reduced testing time by 40% and decreased number of bugs.
- Led QA team for Virtualized Data Protection software with IBM and Oracle databases, developed strategies, applied project management techniques, and achieved a 25% reduction in software defects.

SKILLS

Product	Agile, Scrum, Jira, Confluence, AI Product Owner
Machine Learning	Deep Learning, MLOps, Statistics, PyTorch, Python
Database	Oracle, SAP HANA, mongoDB
Infrastructure	HPE and Dell Servers, Microservices, Virtualization, Storage Array
Operating Systems	Linux, Solaris, z/OS,

- **51** *Granted US Patents* in the domain of Machine Learning and Enterprise Data Storage **2018 - 2021**
- Delivered 9 talks at *SNIA SDC* **2019 - 2023**
- *Google Scholar*: 9 Conference, 2 Journal, and 3 Posters (Citations: 82) **2011 - 2024**

[AWARDS](#) | [LEADERSHIP](#)

Outstanding Graduate Research, Scholarly, and Creative Activity (RSCA) Award (\$500) - CSULB	2024
Founded the first AI Research Club at California State University Long Beach	2024
Dell Patent Award (\$250,000): Long Term Incentive (LTI) Cash and Restricted Stock Units (RSU).	2021 - 2022
IEEE Senior Member (99106509)	Sep 2023
Fellow member of the British Computer Society (995146313)	Aug 2024