

# RAHUL VISHWAKARMA

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## EXPERIENCE

### OCTOPYD

California, United States

*Data Scientist*

Jan 2024 - present

- Led the design and implementation of Language Model (LLM) solution, elevating the efficiency of Octopyd's recruitment platform.
- Implemented predictive analytics models, reducing time-to-hire and positioning Octopyd as an innovator in recruitment technology.

### Californai State University, Long Beach

California, United States

*Machine Learning Engineer*

Spring 2022 - Fall 2023

- Designing storage security for wearable devices and mitigating attacks from evolving hardware trojans.

**Skills:** Uncertainty quantification, graph neural network, classification, GAN.

**Advisor:** Dr. Amin Rezaei (NSF Grant 2131156)

### Dell Technologies

Bangalore, India

*Senior Software Engineer*

Mar 2017 - Dec 2021

- Leading Power Protect Data Manager (PPDM) as a Product Owner in an Agile Team for quarterly release.
- Developed automation framework for application interoperability and system integration for Data Domain.
- As a Scrum Master, handled critical customer escalations in the domains of replication, and cloud migration.
- Designed an internal tool for capacity planning (time-series) and disk failure detection (classification and clustering) for Data Domain install base (90,000+ systems) using telemetry data.
- Mentoring *Artificial Intelligence Academy* for solving problems in collaboration with cross domain use cases across wider horizontal set of Dell product portfolio, and enabling engineers to submit invention disclosures.

### Hewlett Packard Enterprise

Bangalore, India

*Systems/Software Engineer II*

May 2015 - Mar 2017

- Developed Red Hat Enterprise Linux and SUSE Linux Enterprise Server modular image for HPE Converged Systems 900 Scale-up/Scale-out as a part of Mission Critical Solutions.
- Certified HPE Converged Systems for SAP HANA and performed automation of deployment and upgrade.
- Designed reference architecture for SAP HANA backup with HPE 3PAR in scale-up and scale-out deployment.
- Configured and managed HPE 3PAR as external storage for ProLiant DL580 and Backup/Recovery from SAP HANA studio using backint with HPE Data Protector.

### Tata Consultancy Services

Bangalore, India

*Information Technology Analyst*

Oct 2009 - April 2015

- Development and maintenance of Automated Collection System (ACS) at CITI Bank as a COBOL Developer.
- Automated regression tasks for Symmetrix VMAX, EMC Celerra (VNX) in a simulated data center environment.
- Quality assurance of virtualised Data Protection software with databases (IBM, Oracle), and MS Applications.

## SKILLS

Programming Languages	Python
Machine Learning	Deep Learning, MLOps, Statistical Learning, PyGraph, Tensorflow
Database	Oracle, SAP HANA, mongoDB
Infrastructure	HPE and Dell Servers, Microservices, Virtualization, Storage Array
Operating Systems	Linux, Solaris, z/OS,

## EDUCATION

### California State University, Long Beach

California, United States

**M.S. Computer Science**

Jan 2022 - Dec 2023

*Courses:* Algorithms, Artificial Intelligence, Pattern Recognition, Natural Language Processing.

Bringing expertise in applied machine learning, with a solid grasp of fundamentals and specialized in uncertainty quantification. Dedicated to driving business revenue growth while maintaining a lifelong learning approach.

### SRM Institute of Science and Technology

Chennai, India

Bachelors of Technology **Computer Science & Engineering** *GPA: 8.8/10*

Aug 2005 - May 2009

## REVIEWER

IEEE/ACM ICCAD 2023, San Francisco, California, USA

Nov 2023

GLSVLSI 2023, Knoxville, TN, USA

June 2023

[PATENTS](#) | [PUBLICATIONS](#)

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**Patent Areas:** *Machine Learning, Data Storage, Persistent Memory, DNA Storage, and Blockchain* 2018 - 2021  
 67 Patents: 43 Grants, 24 Pending. Milestone Award FY20, FY21 - Top Filers across APJ, EMEA, and LATAM  
**Google Scholar:** F2eTslkAAAAJhl

[AWARDS](#)

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National Science Foundation (NSF) Student Travel Grant : **HOST**, San Jose, USA May 2023  
 Young Fellows Program: 60th **Design Automation Conference (DAC 2023)** San Francisco, USA July 2023