

RAHUL VISHWAKARMA

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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

SRM Institute of Science and Technology

Chennai, India

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

Aug 2005 - May 2009

SKILLS

Programming Languages	C, Python
Database	Oracle, SAP HANA, mongoDB
Infrastructure	HPE and Dell Servers, Microservices, Virtualization, Storage Array
Operating Systems	Linux, Solaris, z/OS,

EXPERIENCE

Californai State University, Long Beach

California, United States

Graduate Research Assistant

Spring 2022 - present

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

Advisor: Dr. Amin Rezaei (NSF Grant 2131156)

Teaching Assistant

Fall 2022 - present

- Co-instructor for the course CECS451 Artificial Intelligence, CECS550 Pattern Recognition, CECS456 Machine Learning (Spring 23), and CECS551 Advanced Artificial Intelligence (Fall 22).

Instructor: Dr. Mahshid Fardadi

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.
- Architected and developed automation framework for application interoperability and system integration.
- As a Scrum Master, handled critical customer escalations in the domains of replication, and cloud migration.
- Designed a 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.

PATENTS | PUBLICATIONS

Patent Areas: Machine Learning, Data Storage, Persistent Memory, DNA Storage, and Blockchain 2018 - 2021

66 Patents: 20 Grants, 46 Pending. Milestone Award FY20, FY21 - Top Filers across APJ, EMEA, and LATAM

Google Scholar: F2eTslkAAAAJhl

AWARDS

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