

Sai Prudhivi

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Experienced computer scientist with over 3 years of expertise in full-stack development, specializing in intelligent systems and data science. Demonstrated success in impactful software solutions and enhancing application security.

EDUCATION

Master of Science, Computer Science

The University of Texas at Dallas

Aug 2022 - May 2024

GPA: 3.93/4

Relevant Courses: Machine Learning, Artificial Intelligence, Statistical Methods, Computer Vision, Natural Language Processing, Database Design, Big Data Management and Analysis

Bachelor of Technology, EEE

National Institute of Technology Karnataka, India

Aug 2015 - May 2019

GPA: 3.63/4

TECHNICAL SKILLS

Backend: Java, Node.js, C++, Python, PHP, Rust, Go

Frontend: React.js, Oracle JET, HTML, CSS, JavaScript, TypeScript, jQuery

Databases: MySQL, Oracle SQL, DynamoDB, MongoDB

Other: Apache Kafka, Docker, Kubernetes, Helm charts, Spark, AWS Lambda, Git, Jenkins, GitHub Actions

Training: Oracle Database 12c, Java SE, Java EE, Oracle Cloud Infrastructure, Spring Framework

Certifications: Neural Networks, Deep Learning, Agile SAFe 4 Practitioner

PROFESSIONAL EXPERIENCE

Research Assistant, *The University of Texas at Dallas*

Oct 2022 - Present

- Implemented security-critical enhancements in full-stack Java apps, resolving 100% of reported vulnerabilities.
- Migrated legacy applications to Java LTS and Maven for enhanced security and 20% performance improvement.
- Elevated business reporting tools and optimized SQL queries, resulting in a 35% faster report generation.

Software Developer, *Oracle, Bangalore, India*

Jun 2019 - Aug 2022

- Developed performance enhancing features for Java, Spring Boot apps leading to 30% faster lead processing.
- Implemented features on Go to market fullstack app with Oracle JET as a UI framework and Java as a back-end.
- Designed a real-time log capturing app responsible for a 90% productivity boost for the WebLogic team.
- Leveraged Apache Kafka to streamline and process marketing data, leading to a 25% reduction in lead wait times.
- Implemented Docker and Kubernetes for efficient CI/CD, achieving a 40% decrease in deployment times.
- Utilized MVC architecture within Spring Boot apps to develop REST APIs, achieving a 20% faster response time.

Software Engineer Intern, *Samsung, Bangalore, India*

May 2018 - Jul 2018

- Enhanced logging speed by 10% in a real-time logging module for multi-core systems as a C++ software engineer.

ACADEMIC PROJECTS

Movie recommendation system, *Machine Learning*

April 2023 - May 2023

Piano tutor - piano keys object detection, *Computer Vision*

Feb 2023 - May 2023

E-commerce platform - DBMS, full stack, *Database Design*

Jan 2023 - May 2023

Lottery scheduler for xv6 - UNIX like OS, *Operating Systems*

Aug 2022 - Dec 2022

A 4-link drawing robot, *Undergraduate project*

Aug 2017 - May 2019

Adaptive control of a robot using reinforcement learning, *Research Internship*

May 2017 - July 2017

STUDENT ORGANIZATIONS

Convenor, *Institution of Engineering and Technology, NITK*

Aug 2018 - May 2019

- Led strategic event planning, recruitment, and project execution, yielding a 25% surge in memberships.
- Drove cross-collaboration among presidents and IET leaders, enhancing organizational synergy and impact.

AWARDS

Two-time recipient of the "OAL CRM Org" Award at Oracle for demonstrating innovation, speed, flexibility, and curiosity.