

Sai Santoshi Praneetha Mukkamala

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EDUCATION

The University of Texas at Arlington

Arlington, Texas

Master of Science in Computer Science

January 2023 – December 2024

Relevant Course Work: Design & Analysis of Algorithms, Cloud Computing, Artificial Intelligence, ML, Database

Vignan Institute of Technology and Science

Hyderabad, India

Bachelor of Technology in Computer Science and Engineering

August 2016 – September 2020

EXPERIENCE

Reality AI Inc. | San Francisco

January 2025 – Present

Software Development Engineer

- Engineered scalable ReactJS interfaces for **Marvel AI** and **Sky AI** analytics and automation tools, integrating Node.js & Python backend services, resulting in **30% faster load times** and **20% increased AI adoption**.
- Designed and catalyzed RESTful APIs with Flask to enable real-time data processing and cloud service integrations, **reducing latency** by 30% and **increasing data throughput** by 45%.
- Managed CI/CD pipelines for **automated deployment** on Google Cloud Run, accelerating go-to-market.
- Implemented real-time monitoring with LogRocket, Log Explorer to track front-end interactions and API performance, improving **debugging efficiency** by 40%, and optimizing API response times.

Tomorrows AI | Washington DC

September 2024 – December 2024

Software Development Engineer

- Pioneered microservices architecture with MySQL and AWS S3 to process AI data, **reducing data latency** by 40 milliseconds; deployed on 100+ nodes to **improve scalability**.
- Constructed an ML-powered recommendation API with Flask, achieving a 30% improvement in response times through optimized database queries.
- Implemented **automated rollback procedures** and infrastructure-as-code practices, guaranteeing **rapid recovery** from failed deployments within 15 minutes and minimizing customer impact.
- Adopted Agile practices, including **daily stand-ups** and **sprint planning**, reducing development cycles by 25%.

Infosys | India

March 2021 – November 2022

Software Development Engineer

- Architected **reusable code libraries**, reducing development time by 20% and improving scalability.
- Revamped SAP Fiori applications by **simplifying navigation complexity**, reducing clicks per transaction, and improving system response time, saving users 15 minutes per task on average.
- Spearheaded the migration of legacy systems for 100+ clients, performing **root cause analysis** and identifying critical gaps to ensure **successful enterprise transitions** using hyper-care support.
- Guided five junior developers through complex SAP Fiori **application enhancements**; fostered a collaborative environment, culminating in a 10% upswing in **team efficiency** and knowledge transfer.

PROJECTS

- Developed a free, AI-powered tool that calculates a **compatibility score** by evaluating the alignment of key skills and qualifications between **resumes** and **job descriptions**.
- Engineered **Python-based chatbot** using **PandasAI**, processing over **250,000+ entries** with **95% precision**.
- Developed a **voice-based feedback system** integrated with ChatGPT, enabling hands-free input and analysis of 300+ daily entries to provide actionable insights with 95% accuracy.
- Initiated an **API-driven recommendation system** using **Flask**, improving response time by **30%**.

SKILLS

- Programming Languages:** Python, Java, C, ABAP
- Frameworks & Libraries:** Flask, FastAPI, React, Node.js, Angular
- Full-Stack & Backend Development:** API Design, Job Scheduling, JavaScript, HTML, CSS
- Database Management:** SQL, PostgreSQL, MongoDB, Firestore DB, Firebase Realtime DB, Redis
- MLOps & CI/CD:** Model Deployment, Pipeline Development, Azure DevOps, Terraform, Docker, Kubernetes
- Cloud Platforms:** AWS, Google Cloud Platform, Azure
- Monitoring & Optimization:** Metrics Tracking, Fault Tolerance, LogRocket, Log Explorer
- Infrastructure & DevOps:** SonarQube, Artifactory