

# VISHWA SAI CHALLA

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## PROFESSIONAL SUMMARY

Accomplished **Software Engineer** with **2+ years of experience** in developing and delivering **enterprise-grade** applications. I'm a collaborative team player, skilled in applying **SDLC** and **Agile** practices throughout the product lifecycle. My expertise includes efficient **problem-solving** and **debugging**, and I'm committed to continuous learning and adaptability.

## EXPERIENCE

### Aries view

**AUG 2025-PRESENT**

#### Software Engineer

*Birmingham, USA*

- ✓ Implements enterprise-grade RAG systems, optimizing for scalability, low-latency performance, and maintainable codebases.
- ✓ Oversee API design, microservices integration, CI/CD, and enforce coding standards through code reviews and automated testing.
- ✓ Phased delivery planning, managing technical debt, refactoring strategies, and team collaboration to meet business objectives.

### Accenture Services Pvt Ltd

**AUG 2021 – JUL 2023**

#### Custom Software Engineering Analyst

*Hyderabad, India*

- ✓ Built enterprise-grade **Java applications** using **microservices architecture** with hands-on production experience. Collaborated with clients and product managers in agile environments, participating in daily **sprint reviews** and developing user stories.
- ✓ Technical Excellence in implementing and enhancing **ACID-compliant transaction management systems** and implemented **secure coding practices**. Authored **2,000+ JUnit** test cases with **Mockito**, increasing **SonarQube** coverage from **12% to 85%** and reducing production bugs from **90% to 10%**. Full-Stack & DevOps Created responsive UIs using **JavaScript**, **ReactJS**, and **HTML/CSS**. Implemented **CI/CD** pipelines via **Bitbucket** and **AWS DevOps** for streamlined deployments across development phases.
- ✓ Problem Solving Resolved complex challenges including **SMTP server integration** for authentication notifications. Conducted comprehensive testing using **Postman**, **SOAP UI**, and **Insomnia**. Developed reusable Java services optimizing client workflows with **Oracle** and **MySQL databases**. Enhanced system reliability, code quality metrics, and delivered scalable solutions improving both developer productivity and user experience.

## EDUCATION

### University of Alabama at Birmingham

**AUG 2023 – MAY 2025**

#### Master's in Computer Engineering

*Birmingham, USA*

**Coursework:** Data Analytics, Machine Learning, Neural Networks, Cloud Computing, Mobile Computing, Computer Vision

## PROJECTS

### Social Analytics Platform | Python, Stream lit, Docker, AWS EC2, NGINX Server, POWER BI, MongoDB, GIT

**AUG 2025**

- ✓ Real-time analytics deliver insights into social engagement, sentiment and performance trends across major platforms.
- ✓ Features Synthesizer for data ingestion, **RESTful APIs**, and interactive visualizations for actionable insights.
- ✓ **Containerized with Docker** and deployed on **AWS EC2** with **NGINX** for scalability and reliability.

### Blog Craft-AI | API KEY, Flask, HTML, CSS, Docker-Compose, Scheduler, Cursor, MCP, SEO

**JUN 2025**

- ✓ An **AI-powered platform** that generates optimized blog posts from keyword inputs with **Prompt Engineering** and Source attributes.
- ✓ Includes a responsive **Flask-based interface** with content management, review workflows, and Synthesized **SEO analysis**.
- ✓ Deployed using the **docker-compose**, used scheduler for **Auto triggering** for scalable, production-ready performance.

### Traffic Accident Report | Power BI Desktop & Service, SSIS, DAX, M Query, GitHub

**APR 2025**

- ✓ Analyzed 200K+ traffic crash records to deliver actionable public safety insights through an interactive Power BI dashboard.
- ✓ Enhanced robust data models with DAX and Power Query for dynamic, drill-down reporting.
- ✓ Empowered stakeholders to assess trends, injury severity, and costs across varying weather and road conditions.

## TECHNICAL SKILLS

**Programming Concepts:** Python, Java, SQL, HTML, CSS, JavaScript, Data Structures & Algorithms.

**Frameworks:** Express JS, Fast API, Spring Boot, React JS.

## CERTIFICATIONS & LICENSES

Oracle Cloud Infrastructure 2025 Developer Professional Certification (**AUG 2025**) | Docker Foundations Professional Certification (**AUG 2025**) | Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate (**JUL 2025**) | AWS Certified Cloud Practitioner CLF-02 From Udemy (**MAY 2025**)