

SHREYAS REVANKAR

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SUMMARY

Software Engineer and MS candidate at ASU focused on full stack development and AI automation, with published research in AI-driven systems. Seeking Software Engineer and AI Engineer internship opportunities.

EDUCATION

Master of Science, Software Engineering

Arizona State University, Tempe, AZ

Aug 2025 - May 2027

GPA: 3.72/4.00

Bachelor of Engineering, Computer Science and Engineering (Data Science)

A. P. Shah Institute of Technology, India

Dec 2021 - May 2025

CGPA: 8.11/10.00

PROFESSIONAL EXPERIENCE

Full Stack Developer Intern • IEEE Bombay Section

Sep 2023 - Nov 2023

- Built a production web platform for 500+ users with a SvelteKit frontend and Flask backend, streamlining multi-step configuration workflows and cutting manual setup errors across the application.
- Developed Flask REST API endpoints with JWT authentication and session management, enforcing token expiry across 500+ active user sessions and blocking unauthorized access attempts in production.
- Cut average API latency by 25% (400 ms to 300 ms) under high concurrent production load by redesigning core data models and applying targeted C++ improvements to performance-critical backend hotspots.
- Added a role-based access control layer enforcing least-privilege authorization across 4 user tiers, reducing the platform's attack surface at the API layer.
- Turned product briefs into clear API contracts and frontend component specs, enabling 2 engineers to work in parallel and ship 3 production features ahead of the 10-week deadline.

PROJECTS

Automated Resume Screening Workflow • n8n, Gemini AI, Python, Gmail API, REST APIs

- Developed an AI-powered resume screening platform using n8n orchestration and Gemini AI to automate candidate evaluation end to end, cutting manual review effort by 70% and improving hiring pipeline consistency across all screening stages.
- Created data pipelines to extract, clean, and standardize resume content from Gmail and Google Drive, enabling structured semantic comparison against job descriptions for downstream AI scoring.
- Engineered LLM prompt workflows generating structured JSON outputs with match scores, skill gaps, and recruiter-ready summaries, bringing average time-to-screen per candidate down to under 30 seconds.

Scrum Simulation Tool • Java, JUnit, GitHub Actions, Maven, Git, Taiga

- Developed a Java-based Agile simulation platform using object-oriented design and state-transition logic to model full sprint lifecycles and enforce task state changes across 200+ simulated team sprint scenarios with role-based access control.
- Strengthened reliability through JUnit test coverage, Git-based code reviews, and GitHub Actions CI/CD pipelines, improving simulation execution consistency by 40% across all sprint scenarios coordinated through Taiga.
- Designed a Java Swing desktop interface with role-differentiated views for 6 Agile personas, scoping interactions by permission level and eliminating invalid state transitions across all simulated sprint workflows.

CropSync: Cross-Platform Smart Farming System • Python, Flask, AWS, Docker, REST APIs

- Shipped a smart farming platform using Python Flask and microservices architecture, integrating AI-driven predictive APIs across weather, pricing, and crop data to deliver real-time agricultural insights ([Published at ICR CET 2025](#)).
- Designed a multi-layer caching strategy for high-frequency weather API calls, eliminating redundant external requests and cutting average API response time by 60% across heavy concurrent user sessions.
- Delivered RESTful APIs and data ingestion pipelines, containerized all services with Docker, and configured CI/CD pipelines with GitHub Actions, cutting release errors by 35% and deployment time by 20%.

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, TypeScript, Go, C/C++, Data Structures, Algorithms
- **Frameworks:** Flask, React, Node.js, SvelteKit, REST APIs, Microservices Architecture, Object-Oriented Programming
- **AI & Tools:** LLM Integration, Prompt Engineering, Retrieval-Augmented Generation (RAG), Gemini AI, n8n, OpenAI APIs, AI/ML API Integration, Workflow Automation, Data Analysis, Agile, Jira
- **Databases:** SQL, PostgreSQL, MySQL, NoSQL
- **Cloud & DevOps:** AWS (S3, RDS, Lambda), Docker, GitHub Actions, CI/CD, Git, Linux