Avaneesh Khandekar

Open to relocate ⬚ avaneesh.khandekar@gmail.com ☎ +1 352 721 4516

github.com/AvaneeshKhandekar · linkedin.com/in/avaneesh-khandekar · avaneeshk.vercel.app

SUMMARY

Full-stack software engineer with 3+ years of experience building scalable, reliable, and efficient systems. Proficient in cloud technologies and AI, designing cost-optimized and intelligent solutions.

EDUCATION

University of Florida — Gainesville, Florida
Master of Science (M.S.) in Computer Science (GPA: 3.96/ 4.00) — *August 2023 – May 2025*

University of Pune — Pune, India
Bachelor of Engineering (B.E.) in Computer Engineering (GPA: 8.78/ 10.00) — *August 2016 – May 2020*

EXPERIENCE

Citizens Property Insurance Corporation — Jacksonville, Florida
Information Technology Intern — *June 2024 – August 2024*

- Developed a RAG-based conversational AI chatbot from scratch using LangChain, providing real-time financial and budget insights with 95% accuracy in query responses powered by the OpenAI GPT API.
- Automated cleaning, transformation, and removal of redundant columns from raw financial records, converting them to SQL, reducing end-to-end time by 50%.
- Designed a user-friendly Streamlit UI for the chatbot and hosted it on Azure, improving accessibility.

Tata Consultancy Services Ltd. — Pune, India
Systems Engineer (Full Stack Developer for the Vanguard Group) — *August 2020 – June 2023*

- Developed RESTful microservices in Java Spring Boot, deployed on AWS ECS with DynamoDB, driving legacy system migration and improving scalability by 60%.
- Built an Angular UI with Node.js and TypeScript for the Internal Investor Profile Application, enhancing frontend performance and cutting page load times by 40%.
- Created a serverless event-driven notification system using AWS Lambda, SQS, and SNS, reducing missed appointments by 80% through real-time automated reminder messaging.
- Designed a real-time, event-driven AWS-based ETL pipeline to integrate tasks from the mainframe into MS Dynamics CRM, enabling seamless and efficient workflows.
- Implemented multi-region cloud contingency for disaster recovery and resiliency, ensuring uptime of 99.99%.
- Developed a custom PII masking library for JSON logs, improving data security compliance and reducing development time by 3 story points.

Symphony Technologies Pvt. Ltd. — Pune, India
Part-time Project Intern (Capstone Project Undergrad) — *July 2019 – April 2020*

- Prototyped a computer vision-based defect detection POC for fuse box assembly using TensorFlow and Faster R-CNN, automating quality control and reducing costs.
- Improved detection accuracy by 20% through dataset augmentation and hyperparameter tuning.
- Built a Python and PyQt-based GUI for fault analysis, supporting image, video, live feed, and PDF reporting.

TECHNICAL SKILLS

Languages: Python, Java, Go, TypeScript, JavaScript, HTML, CSS.
Frameworks: React, Node.js, Angular, Spring Boot, Flask, Streamlit, Langchain, TailwindCSS, Agile, Web Development, Microservices.
Databases: SQL, MongoDB, DynamoDB, PostgreSQL, SQLite.
Tools: GIT, Docker, Jira, Splunk, SonarQube, Swagger, Postman, Cucumber, Cypress, Bitbucket, PagerDuty, Bamboo.
Platforms: AWS (certified ↗), Azure, Windows, PowerApps.

PROJECTS

- **Unibazaar** ↗ — Go, React, MongoDB, PostgreSQL, AWS
  - Led back-end development for a hyper-localized university marketplace, enabling students to buy, sell, and trade second-hand items, replacing disorganized chat transactions.
- **Text Redactor** ↗ — Python, NLP
  - Developed a text redaction script using SpaCy NER, regex, and NLTK WordNet to remove concept-related sentences via WUP score analysis.
- **Customer Churn Prediction** ↗ — Python, Machine Learning
  - Developed predictive churn models with IBM's Telecom Data to identify churn stages, raise awareness, and provide retention metrics.