

# Avaneesh Khandekar

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🌐 [github.com/AvaneeshKhandekar](https://github.com/AvaneeshKhandekar) **in** [linkedin.com/in/avaneesh-khandekar](https://linkedin.com/in/avaneesh-khandekar) 🌐 [avaneeshk.vercel.app](https://avaneeshk.vercel.app)

## EDUCATION

- **University of Florida** Gainesville, FL  
• *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, FL  
• *Information Technology Intern* June 2024 – August 2024
  - Developed a conversational Retrieval-Augmented Generation (RAG) chatbot using LangChain to provide real-time financial and budget insights, leveraging advanced NLP for high-accuracy query responses.
  - Built a robust SQL data pipeline to convert raw financial data into normalized tables, enhancing query efficiency and system performance.
  - Built a user-friendly Streamlit UI for the chatbot and deployed 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 and Angular UI applications hosted on AWS Cloud, replacing legacy systems with high-performance software solutions. Led technical efforts as an interim technical lead, ensuring timely delivery of project milestones.
  - Built an event-driven text notification system using Lambda Functions, Message Queues and Cloud Notifications, achieving an 80% reduction in missed appointments via automated real-time reminders.
  - Built an AWS-based data pipeline to extract, transform, and load (ETL) mainframe data, integrating tasks into MS Dynamics CRM for seamless workflows.
  - Implemented multi-region cloud contingency for disaster recovery and resiliency, ensuring 99.99% uptime.
  - Enhanced data security compliance by developing a custom PII data masking library for JSON log files.
  - Automated end-to-end and integration testing leveraging behavior-driven frameworks like Cucumber.
  - Conducted training sessions on Python, Java, AWS, Angular, and Agile improving team proficiency.
- **Symphony Technologies Pvt. Ltd.** Pune, India  
• *Part-time Project Intern (Capstone Project Undergrad)* July 2019 – April 2020
  - Designed a computer vision based defect detection POC for fuse box assembly with TensorFlow and Faster R-CNN. Automated quality control and reduced costs.
  - Developed a GUI with PDF reporting for fault analysis. Supported image, video, and live feed inputs. Improved accuracy with dataset augmentation and hyperparameter tuning.

## SKILLS

- **Languages:** Python, Java, Go, TypeScript, JavaScript, C++, HTML, CSS.
- **Frameworks:** Angular, React, Web Applications, Node.js, Spring Boot, Micro-services, Flask, Streamlit, Langchain.
- **Databases:** SQL, PostgreSQL, MongoDB, DynamoDB, SQLite.
- **Tools:** GIT, Bitbucket, Bamboo, Jira, Swagger, Splunk, Honeycomb, SonarQube, PagerDuty, Confluence.
- **Platforms:** AWS, PowerApps, Azure, Windows, Linux.

## 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.

## ACHIEVEMENTS & CERTIFICATIONS

- **AWS Certified Developer Associate:** 📄 Exp: December 2024.
- **Academic Achievement Award at University of Florida:** \$4,500 scholarship for outstanding overall performance.