

Avaneesh Khandekar

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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 using 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 using 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 hyper-parameter tuning


SKILLS

- Languages:** Python, Java, Go, TypeScript, JavaScript, C++, HTML, CSS
- Frameworks:** Angular, React, Node.js, Spring Boot, Micro-services, Flask, Streamlit, Langchain, Cucumber
- 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 using IBM's Telecom Data to identify churn stages, raise awareness, and provide retention metrics

ACHIEVEMENTS & CERTIFICATIONS

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