Amaan Bilwar

513-799-7001 | bilwarad@mail.uc.edu | LinkedIn | GitHub

EDUCATION

Bachelor of Science in Computer Engineering   Expected Graduation: April 2027
University of Cincinnati, OH

EXPERIENCE

Software Engineering Intern

Honeywell Intelligrated

- Revamped framework architecture, introducing essential versioning protocols for Honeywell's multifaceted tech environment, while collaborating with interns across different time zones.
- Directed reference architecture development, smoothing new client integration amid prior maintenance gaps, and collaborated with advanced software engineers to troubleshoot and resolve emerging issues.
- Achieved experience in Docker, Spring Boot, Java, unit testing, RabbitMQ, Hazelcast, and PostgreSQL within Honeywell's intricate ecosystem, highlighting adaptability and skill acquisition.

Software Development Research Assistant

University of Cincinnati

- Developing a specialized voice analysis web app for non-binary individuals, refining voice nuances. Using Java, Python, ReactJS and MongoDB, I architect a robust backend, managing extensive data.
- Prioritizing user privacy and inclusivity, this project merges technical expertise with social impact, empowering through innovative, personalized voice study.

PROJECTS

YT-Sentiment-Analysis | *Node.js, Flask, PostgreSQL, Redis, Docker*

- Developed a full-stack web application for YouTube video transcription, summarization and sentiment analysis with Flask serving as REST API with React as frontend
- Implemented YouTube content processing workflows using YouTube Data and transcript API, and natural language processing libraries
- Designed an intuitive and responsive user interface in React, enhancing the user experience

spoti-helper | *Node.js, Express.js, MongoDB, React*

JollyLLB | *React, Express, Node, Redis, Docker*

- Developed a web application chatbot for providing legal advice, utilizing Node.js and Express for backend and React for frontend, with Pug for server-side rendering
- Integrated OpenAI for natural language processing, designed a user-friendly interface in React, and enforced prohibitions on non-legal inquiries
- Containerized the application using Docker for consistent development, testing and development environments

One More Project with java backend | *Java, Spring Boot, Gradle, Docker*

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Golang, JavaScript, SQL, HTML/CSS, R

Frameworks: React, Node.js, TypeScript, Flask, FastAPI

Developer Tools: Git, Docker, Firebase (Authentication, Hosting, Cloud Functions), IntelliJ, Eclipse, Google Cloud Platform, VS Code, RabbitMQ, Hazelcast

Database Management Systems: Firebase (Realtime Database & Firestone), MongoDB, PostgreSQL, MySQL