

Danish Ghumman

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EDUCATION

Georgia Institute of Technology

Master of Science in Computer Science

- **Coursework:** Knowledge Based AI, Artificial Intelligence

Expected Graduation: May 2026

Atlanta, GA

University of Pittsburgh

Bachelor of Science in Computer Science

- **Coursework:** Software Engineering, Cloud Computing, Software Quality Assurance, Web Application Development, Interface Design Methodology

Dec 2024

Pittsburgh, PA

SKILLS

Languages: Python, Java, JavaScript, TypeScript, C

Technologies/Frameworks: React, Angular, Flask, JUnit, Selenium, Cucumber, Google Cloud Platform, Docker, Kubernetes

Developer Tools: Gradle, Harmony, Jenkins, Salesforce, Postman, Jira, Archer, Confluence, Bitbucket, Git

Certificates: CodePath Technical Interview Prep

EXPERIENCE

Software Engineering Intern

PNC Financial Services

May 2024 – Aug 2024

Pittsburgh, PA

- Mitigated security vulnerabilities in PNC's **\$950M** Online Banking platform using **Java**, Cucumber, and Selenium, reducing risk for 11M users and boosting platform trust
- Enhanced error handling in **Angular** and **TypeScript** to improve Cash Flow Insights for **300k** users, increasing customer satisfaction
- Boosted accessibility compliance by **30%** through screen reader improvements using **TypeScript** and **axe DevTools**, enhancing inclusivity
- Optimized deployment cycles by **20%** via **Gradle** and UI framework optimizations, accelerating micro app iteration speed

Software Engineering Intern

Pitt Learning Research and Development Center (LRDC)

Oct 2023 – Apr 2024

Pittsburgh, PA

- Developed real-time voice gender and age recognition for English- and Spanish-speaking families using **supervised learning** models. achieving **88%** accuracy in distinguishing parent and child voices
- Enhanced data processing efficiency by developing a custom algorithm with **PyTorch** and **TensorFlow**, reducing voice data labeling time by **50%** and accelerating project timelines

Junior Salesforce Administrator

Pitt Department of Information Technology

May 2023 – Aug 2023

Pittsburgh, PA

- Enhanced access control for **1,000+** users by implementing multi-tiered authentication protocols in **Salesforce**
- Improved data workflows and accuracy by classifying and resolving over **300** duplicate records using **SOQL**

PROJECTS

Baseera AI | OpenAI, FastAPI, React, Next.js, SQLAlchemy

- Built a full-stack search platform integrating **6,000** Quranic verses and **40,000** Hadiths using **FastAPI**, **PostgreSQL**, and **Next.js**, providing users with a centralized knowledge base
- Integrated AI-driven semantic search using **OpenAI's GPT-3.5**, Sentence Transformers, and vector embeddings, enhancing search relevance and user interaction

Review Sentiment Analyzer | React, Flask, Google Cloud Platform, CI/CD

- Developed a **Flask-based API** integrated with **Google Cloud's Natural Language API** to automate sentiment analysis of Yelp reviews, providing real-time feedback with sentiment scores and emojis to aid user decision-making

Headphone Price Scraper | Python

- Implemented a web scraper using **BeautifulSoup** and **Python** to monitor over **200 headphone listings** on eBay, filtering outliers for price accuracy and deploying **Plyer library notifications** to alert users of the lowest prices, optimizing purchase decisions

AFFILIATION & INTERESTS

CodePath Community Member– Collaborated with software engineers to build technical skills through coding workshops

School of Computing and Information Scholar– Awarded one of four full-ride scholarships to attend the AfroTech Conference

Minority Association in Computing Active Member - Attended networking events with large scale companies

Computer Science Club Active Member - Participated in technical workshops and career building opportunities