

# Danish Ghumman

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## EDUCATION

### University of Pittsburgh

Bachelor of Science in Computer Science

Expected Graduation: Dec 2024

Pittsburgh, PA

- **GPA:** 3.5/4.0
- **Coursework:** Software Engineering, Cloud Computing, Software Quality Assurance, Web Application Development, Interface Design Methodology

## SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, C

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

**Developer Tools:** Gradle, Harmony, Jenkins, axe DevTools, NVDA, Salesforce, Postman, Jira, Archer, Confluence, Bitbucket, Git

**Certificates:** AWS Cloud Practioner (Nov 2024), CodePath Technical Interview Prep (Nov 2024)

## EXPERIENCE

### Software Engineering Intern

PNC Financial Services

May 2024 – Aug 2024

Pittsburgh, PA

- Remediated security vulnerabilities in PNC's **950 million** Online Banking platform, mitigating risk for an **11 million** userbase, by implementing solutions with **Java**, **Cucumber**, **Selenium**, and **Archer**
- Enhanced user experience for **300k** Online Banking Cash Flow Insights users by updating error handling scenarios with **Angular**, **TypeScript**, and **Jenkins**, leading to a measurable increase in customer satisfaction
- Increased accessibility compliance by **30%** for PNC's online banking services by implementing screen reader enhancements and focus management using **TypeScript** and **axe DevTools**
- Streamlined the build process for a micro app by employing **UI Framework Tools** and **Gradle**, resulting in a **20%** reduction in deployment time

### Software Engineering Intern

Pitt Learning Research and Development Center (LRDC)

Oct 2023 – Apr 2024

Pittsburgh, PA

- Engineered voice gender and age recognition features by implementing **logistic regression**, **decision trees**, and **SVM** models in **Python**, achieving **88%** accuracy and enabling real-time interactive feedback for parental engagement
- 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

- Fortified data security and streamlined user access by designing and implementing multi-tiered authentication protocols in **Salesforce** for a user base of over **1000**, ensuring robust access control
- Boosted data integrity and operational efficiency by identifying and classifying over **300** duplicate records using **SOQL**, enhancing the accuracy of **Salesforce** data management

## PROJECTS

### 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 with **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, thereby 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