

Danish Ghumman

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Education

University of Pittsburgh

Bachelor of Science in Computer Science

May 2025 (Expected)

Pittsburgh, PA

Major GPA: 3.6/4.0

Coursework: Software Engineering, Introduction to Cloud Computing, Software Quality Assurance, Programming Language for Web Applications, Introduction to Operating Systems

Experience

PNC

Software Engineering Intern

May 2024 – Aug 2024

Pittsburgh, PA

- Increased accessibility compliance by **30%** using **Angular**, **TypeScript**, and **axe DevTools** by implementing screen reader enhancements and focus management.
- Achieved **95%** code coverage rate in **\$950 million** modernization project by developing unit tests using **Cucumber** and **SonarQube**.
- Streamlined build process for micro app utilizing **Harmony** and **Gradle**.
- Developed an **Agile** internal page using **Mural** and **Adobe XD** improving user navigation and support.

Pitt Learning Research and Development Center (LRDC)

AI / Machine Learning Intern

Oct 2023 – Apr 2024

Pittsburgh, PA

- Enabled voice gender and age recognition using **logistic regression**, **decision trees**, and **SVM** models in **Python**.
- Achieved a precision weight of **88%**, enabling real time feedback between parents and children.
- Reduced voice data labeling time by **50%** by developing an algorithm using **PyTorch** and **TensorFlow**.

Pitt Department of Information Technology

Junior Salesforce Administrator

May 2023 – Aug 2023

Pittsburgh, PA

- Enhanced data security and access control by implementing level-by-level authentication for over **1000+** users in **Salesforce**.
- Improved data accuracy by classifying over **300** duplicate records utilizing **SOQL** (Salesforce Object Query Language).

Pitt Learning Research and Development Center (LRDC)

Web Development Intern

May 2023 – Aug 2023

Pittsburgh, PA

- Developed interactive user interfaces using **React.js** and **Node.js** enhancing user engagement

Projects

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

- Analyzed user reviews from Yelp and provided sentiment analysis and ratings.

Headphone Price Scraper | Python

- Developed a Python script capable of scraping and analyzing over **200** eBay headphone price listings.

Skills

Languages: Python, Java, JavaScript, C, HTML, CSS

Technologies/Frameworks: React.js, Node.js, Angular, Flask, JUnit, Selenium, Cucumber, Google Cloud Platform, AWS (Cert: Aug 2024), Docker, Kubernetes

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

Extracurricular Activities

Activities: Sermon Leader, RI HOPE Volunteer, Memorization of Quran (Hafiz), Sunday School Teacher,

Clubs: Minority Computing Association Member, Muslim Student Association Member, CS Club Member