

Danish Ghumman

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Education

Candidate for Bachelor of Science in Computer Science

University of Pittsburgh

May 2025

Pittsburgh, PA

Major GPA: 3.6

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

Technical Skills

Programming Languages: Java, Python, JavaScript, C, HTML, CSS, SQL-Alchemy, Apex

Technologies/Frameworks: React.js, Node.js, Flask, JUnit, Selenium, GCP, Docker, REST APIS, MongoDB, Git

Developer Tools: VS-Code, IntelliJ, Salesforce, Postman API, Jupyter Notebook, GitHub

Experience

Learning Research and Development Center

AI / Machine Learning Intern

Oct 2023 – Present

University of Pittsburgh

- Leading the development of an AI model using Python to discern voice gender and age, enabling real-time feedback between parents and children.
- Enhancing audio segment analysis by developing an algorithm with PyTorch and TensorFlow, streamlining the voice data labeling process.

Department of Information Technology

Junior Salesforce Administrator

May 2023 – Aug 2023

University of Pittsburgh

- Demonstrated expertise in utilizing SOQL to identify and manage duplicate records, elevating data accuracy and integrity to new heights.
- Implemented agile development methodologies including level-by-level authentication for users within Salesforce test developments, fortifying data security and access control measures.

Learning Research and Development Center

Web Development Intern

May 2023 – Aug 2023

University of Pittsburgh

- Drove the creation of interactive and captivating user interfaces, utilizing React, Node.JS, HTML, and CSS to enhance the storytelling experience.
- Implemented cutting-edge web development techniques to deliver seamless user interactions, fostering an engaging and immersive online environment.

Personal Projects

Headphone Price Scraper | Python

- Designed and developed a Python script capable of scraping and analyzing over 200 eBay headphone price listings.
- Utilized data analysis techniques to identify and remove outliers from price data, delivering accurate and reliable pricing information.

Crossword Solver | Java

- Created a highly efficient program in Java to create and find all possible solutions for the crossword game.
- Leveraged a recursive backtracking algorithm to quickly search for the solution, optimizing performance and enhancing the program's speed and efficiency.

Extracurricular Activities

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

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