

NAJIIB AHMED

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Education

Portland State University

Sept 2021 – Sept 2025

Bachelor of Computer Science

• **CS GPA:** 3.9

• **Courses:** Data Structures & Algorithms, Software Engineering, Object Orientated Programming, Operating Systems, Database Management, Internet Web and Cloud Systems, Computer Security

Skills

Technical Skills: C++, C, Python, HTML, CSS, JavaScript, Java, Git, SQL, Docker, Kubernetes

Operating Systems: Windows, Linux

Experience

Software Security Engineer Intern

January 2024 – December 2024

Intel Corporation

Hillsboro, Oregon

- **Developed software solutions** for the Cryptography Management Team using C++, Python, and SQL.
- **Updated internal tools** to implement post-quantum cryptography algorithms, enhancing security protocols against future quantum computing threats.
- **Migrated databases and systems** to cloud storage solutions, reducing operating costs by **\$75,000** annually.
- **Updated systems to a modern open-source library**, enhancing efficiency and reducing maintenance overhead.

Computer Science Tutor

January 2023 – December 2023

Maseeh College of Engineering

Portland, Oregon

- **Provided personalized one-on-one tutoring** to undergraduate students, enhancing their understanding and proficiency in computer science.
- **Guided students through a wide range of topics**, including programming languages, algorithms and data structures, computer architecture, and object-oriented programming.
- **Assisted students in improving academic performance**, contributing to higher grades and increased confidence in technical skills.

Projects

Voice Activated Wikipedia Search -Python, Google Speech API, Wikipedia API

- Developed a Python-based voice recognition app utilizing the Google Speech API, that enables users to access Wikipedia content through spoken queries
- Implemented error handling and user feedback while incorporating the Wikipedia API to retrieve relevant information

Python Chatbot -Python, OpenAI, Flask, Sqlite3, Docker

- Designed and implemented an AI chatbot named “Marv”, integrating OpenAI GPT-3.5 Turbo model. The chatbot replies with sarcastic and funny responses to the user.
- Successfully set up the API for model utilization and implemented effective error handling. This project highlights API integration and an object orientated design.