

Najiib Ahmed

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<https://njbcode.pages.dev> | <https://github.com/njpdx1>

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, Machine Learning

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 – June 2025

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

Cyberattack Detection -Python, PyTorch, TesnorFlow

- Developed a machine learning pipeline using Graph Neural Networks (GNNs) to detect cyberattacks, leveraging system logs to construct graphs that model interactions between nodes
- Achieved high precision in classifying normal vs. anomalous behavior using benchmark datasets (UNSW-NB15, CICIDS) and modern technologies such as NetworkX and Scikit-learn

PDX MSA App -React Native, Node.JS, MongoDB, OAuth

- Developed a full-stack mobile app with React Native and Node.js, providing GPS-based prayer times and real-time event updates, and personalized user settings.
- Implemented secure OAuth authentication and integrated MongoDB for efficient storage and retrieval of user data and community events
- Achieved 100+ active users, delivering reliable functionality and community-focused features