

# NICHOLAS ARAJ

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## Education

Oregon State University

Expected Summer 2025

B.S. Computer Science | Applied Data Science Option

GPA: 3.77

**Coursework:** Algorithms, Data Structures, Operating Systems, Database Management, Data Mining & Machine Learning, Web Development, Computer Networks, Cybersecurity, Software Engineering Principles, Architecture & Assembly Language, Linear Algebra, Discrete Mathematics, Statistics

## Work Experience

Intel Corporation

April 2024 – Present

Full Stack Software Engineer – Intern

Aloha, OR

- Collaborated in a 5-person team to develop a Manufacturing Readiness Indicator web application using **Django**, **Angular**, **React**, and **Microsoft SQL**, enhancing tracking and reporting for **1100+** users and executives annually.
- Independently developed **50+** full-stack software solutions for the Manufacturing Readiness Indicator web application, including development of new features and refactoring/improvement of existing features. Helped increase monthly users by **180%** and decrease site loading times by **40%**.
- Engineered a scheduled **Python** script to scrape **Django** logs to extract application performance metrics, usage metrics, and query a **Microsoft SQL** database to select user metadata. Used **Plotly** with **Angular** to create a live usage dashboard for the application with data analytics and visualizations, allowing **20+** developers and site admins to evaluate application performance and usage trends.

## Projects

Healthcare Cost Transparency App

Sep. 2024 – Present

Python | Next.js | PostgreSQL | OpenAI API

- Developing a healthcare cost transparency web application using **Python**, **Next.js**, **PostgreSQL**, and **OpenAI API** to simplify complex **JSON** provider pricing reports for users.
- Enhances cost transparency by supporting users in comparing healthcare expenses via an interactive chatbot, intuitive data visualizations, and exportable data options.

Dealership Sales Web Application

Jan. 2024 – Mar. 2024

Node.js | Express.js | MariaDB | MySQL

- Launched a car dealership sales tracking application using **Node.js** and **Express.js** to create a robust backend server with **RESTful APIs**.
- Optimized database interactions by leveraging **MariaDB** for complex relational queries and **MySQL** for cross-database operations, reducing query latency by **20%**.

## Technical Skills

**Languages:** Python, JavaScript, SQL, TypeScript, HTML/CSS, C/C++, R

**Development Tools/Skills:** Git, Jira, Agile, Unit Testing, Unix/Linux, PowerBI

**Libraries/Frameworks:** Django, Angular, ReactJS, Next.js, Node.js, Jest, Microsoft SQL, MariaDB, MongoDB, numpy, pandas, PyTorch, Plotly, Matplotlib, Azure

## Awards

Provost Academic Excellence Scholarship | Oregon State University

Sep. 2021

- Awarded 4-year scholarship based on class rank, rigor of coursework, and GPA.

Oregon Beta Leadership Scholarship | Phi Kappa Psi Fraternity

Feb. 2022

- Awarded scholarship for outstanding leadership & accomplishment in the Phi Kappa Psi Fraternity.

## Leadership & Activities

Oregon State University Multiple Engineering Cooperative Program, Phi Kappa Psi Fraternity Head of Community Service & Head of Alumni Relations