Ateeq Ahmed Ramlan

www.linkedin.com/in/ateeqramlan
Phone: +1 425-589-4179
Redmond, WA
Email: ateeq@outlook.com

Education

Purdue University, West Lafayette, IN — Aug 2022 - May 2026

Bachelor of Science in Computer Science — GPA : 3.34

Computer courses: SWE 1, Advanced Algorithms, Data Structures & Algorithms, Computer Architecture with Assembly, Discrete Math, AIML 1, Data Engineering in Python/SQL, Programming in C, Object-Oriented Programming, CS Tools, Multivariate Calculus, Statistics

Skills

- **Languages:** Python, Java, C, C++, Javascript, CSS, R, SQL, HTML, Dart, MIPS/Assembly
- **Frameworks:** NodeJs, Flutter, React Native , NestJS,
- **Other:** Firebase, AWS, MATLAB, Tensorflow, Pytorch, OpenCV

Work/Internship Experience

Fullstack SWE Intern – Orbit https://askorbit.ai/

NestJS, Prisma, PostgreSQL, Scrum Method — May 2024 - Aug 2024

- Developed Orbit, a web platform similar to Fiverr, connecting users with experts for SWE/CS job preparation services including resume review, coding problem analysis, and mock interviews
- Engineered the back-end infrastructure using NestJS and integrated Prisma for ORM, ensuring efficient data handling and API development
- Established PostgreSQL database architecture, managing relational data models and ensuring data integrity
- Implemented the end-to-end request lifecycle for Orbit, orchestrating seamless communication between the front-end, backend, and database layers

Personal Projects

ChatNest : AI chatbot to ease the home buying process and eliminate realtor fees for home buyers — Feb 2024 - Current

PyTorch, TensorFlow, Selenium, Python

- Switching from GPT Api to leveraging PyTorch and TensorFlow for machine learning models to enhance property recommendation algorithms and optimize the home search experience.
- Scraping tax, county, and home information using Selenium for iterations of 50 homes and storing in CSV
- Implemented model to utilize user data, property information, county information, all on a working model of 50+ homes
- ***Accepted into startup incubator 2024 (Dubhacks.next)***

Ticcer - (Embedded Systems Experience) — Mar 2023 – June 2023

C++, Kodular, SQL

- Developed mobile app aimed at mitigating the frequency of tics among individuals with Tourette's syndrome
- Implemented real time tic detection using gyroscope sensor/microphone data, as well as a user friendly database that allows users to track and visualize their tic reduction progress over time
- Delivered impressive results, with a 38% decrease in tic occurrences, improving the quality of life for users

RoboMasters – Algorithm Team (Autonomous Robotics) — April 2024 - Current

OpenCV, Robot Operating System (ROS)

- Utilized image preprocessing, color segmentation, and an edge detection method to map out targets to shoot projectiles
- Implemented contour filtering to visualize the course layout and then built decision tree to help the robot auto navigate

Awards

- Invent Future Global Innovation Challenge Impact Award – *International/Global*
- US National Innovator Challenge (Top 10 National Finalist) – *National*
- Washington State Science and Engineering Fair (WSSEF) – 1st Place in Biomedical Engineering – *State*