

AYAAN KUMAR

(425) 588-1855

Redmond, WA • <https://s-ayakumar.github.io/Website/Website/Code/Website.html> • ayaank1532@gmail.com

EXPERIENCE

Free Lance Developor

June 2024 — Present

- I have successfully delivered over 10 responsive and visually engaging websites using technologies like HTML5, CSS3, JavaScript, and React.
- Improved user engagement by 25% on average through intuitive UI/UX designs conformed to client needs.
- Optimized performance and reduced loading times by 30% using JavaScript and lazy loading.
- Additionally, delivered 100% mobile friendly websites implementing TailwindCSS to create responsive and scaleable designs.

Technologies: Javascript, CSS, HTML, TailwindCSS, React

EDUCATION

University Of Washington - Bothell, Computer Science, Bachelors of Science

2024 — 2027

- 4.0 GPA
- Plan to delve into the SWE focus within the Computer Science major
- Clubs: DubHacks hackathons, Association for Computing Machinery, and HackRover.

PROJECTS

Breast Cancer Classifier

- Used the K-Nearest Neighbors algorithm to compile external data and classify them as either benign or malignant
- Developed a grapher to display data results

SP500 Predictor

- Uses previous S&P500 data to train Random Forest Machine Learning Algorithm
- The model accurately predicts the movement of the index as either up or down, tokened by 0 or 1

Critter Simulation Game

- Created a 'survival of the fittest' simulation game using different animals
- Focused on using OOP concepts as a tool to add different animals into the simulation
- Additionally created a visualizer animating the game in action

Rocket Deployment System

- Created a rocket parachute deployment system using arduino
- Based off BMP 180 altitude data, the system recognized when the rocket was descending and triggered the release mechanism
- The release mechanism comprised of a servo lifting a pin withholding the parachute

Personal Website

- Built an advanced personal website implementing different styling techniques
- Implemented all visualized samples of all projects

SKILLS AND FRAMEWORKS

- Code: Java, JavaScript, HTML, CSS, Python, C, C++, React, EmailJS, AWS, Node.js, Git, Linux, GitHub, TailwindCSS, Pandas, SQL, mySQL

ACHIEVEMENTS

FBLA Nationals 8th Place Finalist - Networking Infrastructures

2024

FBLA Nationals 9th Place Finalist - Business Ethics

2023