Ayush Mehta

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EDUCATION

University of Washington Bothell — GPA: 3.8
B.S. Computer Science & Software Engineering — *Mar 2024 – Dec 2025*
Relevant Coursework *Algorithms, Data Structures, Software Engineering, Machine Learning, System Design, Game Development, Operating Systems, Autonomous Vehicles, Statistics, Linear Algebra, Calculus*

Shoreline Community College — Shoreline, WA
General Studies — *Mar 2023 – Mar 2024*

Seattle Central College – Year Up Program — Seattle, WA
Certificate in Software Development and Business Communication — *Sep 2019 – Oct 2020*

EXPERIENCE

Software Build Engineer – *Microsoft via Tech Mahindra* — Dec 2021 – Mar 2023
- Built Python scripts to compare OS driver JSONs and generate CSV diffs, cutting manual time by **90%**.
- Automated Azure package downloads with PowerShell + REST APIs via YAML pipelines.
- Scripted artifact validation to replace manual checks, saving **3 hours/task** and improving accuracy.
- Troubleshot CI/CD failures and debugged builds using local VM images, reducing downtime by **30%**.
- Resolved server build issues, slashing average debug time by **8 hours/build**.

Mixed Reality Moderator – *Microsoft via Q Analysts* — Mar 2021 – Aug 2021
- Managed large-scale data offloading **2+ TB** using CMD, PowerShell, Tshell, and Telnet.
- Collected data to enhance HoloLens outdoor performance and environmental adaptation.

Software Engineering Intern – *Microsoft* — Mar 2020 – Oct 2020
- **Converted 5+** legacy build pipelines to YAML weekly, improving CI/CD version control.
- Analyzed pipeline errors using Azure DevOps, identifying and resolving **6+ issues** per week.

PROJECTS

2D Horror Escape Platformer | *Unity, C#* — May 2025 – Jun 2025
- Developed a 2D horror escape game blending platformer elements with survival mechanics
- Implemented key collection, boost-based enemy fending, and a circular light mechanic to obscure surroundings.

AI-Powered Cooking Assistant | *React, Flask, Google Vision API, OpenAI API* — Summer 2025
- Built a full-stack web app that detects fridge ingredients via Google Vision API and generates recipe suggestions with AI.
- Designed scalable Flask backend with cloud integration, enabling real-time recipe recommendations and user-friendly UI in React.

Social Network Platform | *Python, Django, JavaScript, SQLite* — Nov 2024 – Dec 2024
- Engineered a Twitter-style web app enabling post creation, following users, and social feed generation
- Implemented dynamic post editing, likes, and pagination with JavaScript Fetch API and AJAX.

Stock Market Simulator | *Flask, Python, SQL, Bootstrap* — Apr 2024 – May 2024
- Designed and developed a stock trading simulator with buy/sell operations and real-time stock data.
- Added transaction history and live portfolio tracking based on a public financial API.

SKILLS

Languages: Python, Java, JavaScript, C++, C#, SQL, HTML/CSS
Frameworks / Libraries: Django, Flask, React, Unity, Bootstrap, TensorFlow, PyTorch, NumPy, Pandas
Tools / Platforms: Git, GitHub, Azure DevOps, KQL, PowerShell, CMD, Jupyter, Figma, Linux/Unix, YAML Pipelines
Concepts: Machine Learning, Web Development, Game Development, Data Analysis, Software Engineering, CI/CD, Version Control, REST APIs
Soft Skills: Problem-Solving, Adaptability, Collaboration, Time Management, Communication