

Medha Gupta

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EDUCATION

University of Washington

Seattle, WA

Bachelor of Science in Computer Science, GPA: 4.0 (awarded Dean's List every quarter)

Graduation: Spring 2026

Courses: Networks, Software Entrepreneurship, Computer Vision, AI, Operating Systems, NLP, ML, Programming Languages, Java, C/C++

WORK EXPERIENCE

Stealth Startup

Seattle, WA

Software Engineer

Mar 2025 - Present

- Building a Duolingo-style drawing education platform powered by AI/ML to analyze user drawings, deliver real-time feedback, and personalize the learning experience. Founded out of Stanford.
- Built the MVP from the ground-up, leading the vision and architecture of the product. Did user research and collaborated with artists and art teachers to design the features and MVP.
- Used OpenAI, React, Redux, Paper.js, and Firebase.

Alleo.ai

Seattle, WA

Software Engineer

Feb 2024 - Mar 2025

- Developed "Thrive AI", an AI coaching tool featuring 30-minute speech-to-speech AI coaching sessions.
- Led full release of Thrive AI, increasing revenue of the company by **3x** and scaling to 700+ users per day.
- Integrated a new homepage to start coaching sessions, manage goals, and provide summaries and transcripts of coaching sessions.
- Used the OpenAI API, React, and Next.js, with complex dynamic prompting and prompt engineering.

Software Engineer Intern

July 2023 - Feb 2024

- Led the design and development of AI-driven applications using the OpenAI API, including project suggestion systems, task automation, and decision tree analyses, enhancing project management efficiency.
- Pioneered a wellbeing analysis tool based on the PERMA model, integrating AI to suggest personalized projects.
- Employed Python and Langchain for backend development.

Paul G. Allen School at University of Washington

Seattle, WA

Teaching Assistant (CSE 332: Data Structures; CSE 123: Java III; CSE 331: Software Design & Implementation)

Sept 2023 - Present

- Led weekly sections of 40+ students and developed 200+ custom handouts, covering data structures, runtime analysis, testing, Typescript, and React, thereby improving students' coding skills and analytical thinking.
- Provided 200+ hours of one-on-one office hours and graded 1000+ projects and exams.

PROJECTS

Verbalize (<https://verbalize-e3254.web.app/>)

April 2025

- Designed a multiplayer AI-powered game for SDE behavioral interview prep where players join live sessions and compete to buzz in. Players answer questions out loud and responses are instantly evaluated by AI. Features include multiple question types, leaderboards, and resume-based personalization for tailored feedback.
- Used React, Redux, Firebase (database, hosting, serverless backend, authentication), OpenAI, Web Speech APIs (audio recording)

Foodography AI (<https://foodai-b9912.web.app/>)

Feb 2025

- Developed an app to help restaurants plan marketing content, generate social media content, and enhance images. Uses AI to enhance images, do smart cropping of images, and generate Instagram stories, captions, and menus.
- Used React, Redux, Firebase (database, hosting, serverless backend, authentication), Cloudinary AI, OpenAI, OpenCV

Daily AI Challenge (<https://dailyaichallenge.com/>)

Jan 2025

- Developed a web app for learning Artificial Intelligence through daily AI coding challenges, as well as building your portfolio and sharing it publicly
- Provided templates and solutions for each challenge, as well as an automatic feedback system for user submissions
- Used React, Redux, Firebase (database, hosting, authentication)

AI Autocompleter (<https://ai-auto-complete-a3a36.web.app/>)

Nov 2024

- Developed an inline AI auto completion tool to assist with writing and content generation, similar to Github Copilot's interface.
- Autocompletions trigger automatically based on pauses in typing and word count, or manually through Cmd-I keypress.
- Used React (Typescript) and Open AI APIs for the autocompletion

SKILLS & CERTIFICATIONS

Skills: Java, Python, Firebase, React, React Native, Redux, Typescript, Node.js, Express.js, Flutter/Dart, OpenAI, Langchain, SQL, MongoDB, Azure