

Tanvi Ranade

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EDUCATION

Johns Hopkins University

Baltimore, MD

Bachelor of Science | GPA: 3.95

Expected May 2026

- Majors: Computer Science and Biomedical Engineering
- Relevant Coursework: Data Structures in Java (Course Assistant), Intermediate Programming in C/C++ (Course Assistant), Full-Stack JS, Computer System Fundamentals, Math Foundations for CS, Linear Algebra, Prob/Stats

SKILLS

- Proficiency in Python, Java, C/C++, Arduino, and x86-64 assembly language for projects and research such as asteroid orbit determination at the Summer Science Program
- Familiarity with React, JavaScript, TypeScript, HTML, CSS, Node.js, Express.js, and Nest.js for full-stack software development for projects including making customized websites for six non-profit organizations
- Experience with Git/GitHub for version control, IDEs Visual Studio Code and IntelliJ IDEA, and Linux

PROJECTS

DEARYOU HEALTH

Washington, D.C.

MindMatch: iOS/Android Mobile App

January 2024 - Present

- Collaborate with cross-functional tech board to develop a platform dedicated to providing mental health support to over 60% of high-school and college students and support with a strong emphasis on community engagement features
- Constructed multi-platform app with Expo with React Native for frontend and Google Firebase for backend to easily integrate with AI models in future for matching between clients and counselors

HOYA HACKS

Washington, D.C.

PlatePal: Full-Stack Web Application

Spring 2024

- Built platform targeting food waste on college campuses in 36-hour competition; features include inventory tracking matching students for grocery exchanges, and AI-suggesting recipes; won 1st place in Environmental Track
- Constructed frontend with HTML, CSS, and JavaScript, and backend using Express.js, Node.js, MySQL, and OpenAI's API

EXPERIENCE

ARYN (STARTUP)

Mountain View, CA

Software Engineering Intern

May 2024 - Present

- Enhance document processing system for RAG and unstructured analytics; streamline process to answer complex, 5-7 step questions leveraging advanced DocSets transformations and LLM integrations
- Create software services using Python; Utilize AWS, Sycamore, OpenSearch, and OpenAI platforms

SEMESTER.LY

Baltimore, MD

Full-Stack Software Developer

February 2024 - Present

- Maintain and add features to course scheduling platform utilized by 6K+ students at Johns Hopkins University
- Built with TypeScript, React functional components, React-Redux hooks, Redux Toolkit, and Django REST APIs

WOMEN IN COMPUTER SCIENCE AT JHU

Baltimore, MD

President

August 2023 - Present

- Organize professional development and social events with responsibilities of communicating with administrators, board/general members, and sponsors; brainstorming, planning, and hosting events including weekly general body meetings; securing event spaces; reaching out to potential collaborators; and managing club calendar
- Partner with companies (e.g. Google, Bloomberg) and on-campus organizations (e.g. ACM) for internship/research panels and career-oriented talks with 80+ attendees

CURVEASSURE (STARTUP)

Baltimore, MD

Research and Development Engineering Intern

June 2023 - February 2024

- Developed pipelines to handle real-time data from six Bluetooth devices; leveraged Python scripting within Blender to visually reflect movements from wearable spine/limb sensors to create demo platform shown at two showcases (400+ people)
- Designed visually appealing data displays for clinicians and converted to JS scripts to display on company website; used Arduino to program tests for measuring current draw from various sensor components