Armaan Priyadarshan

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EDUCATION

Dartmouth College   Sep. 2024 - Jun. 2028
B.A. Computer Science & Mathematics, GPA: 4.0   *Hanover, NH*
Relevant Coursework: *Data Structures & Algorithms, Object Oriented Programming, Probability Theory, Real Analysis*

EXPERIENCE

Fidelity Investments   Jun. 2025 - Aug. 2025
Software Engineering Intern   *Merrimack, NH*
- Digital Account Management (DAM)

Telos   Jun. 2024 - Aug. 2024
Front-End Engineering Intern   *Remote*
- Developed features for LLM-based positive psychology mobile app using React Native and TypeScript
- Collaborated with growth and UI/UX teams, assisting in analytics and design with Figma

Social Neuroscience of Affective Processes (SNAP) Lab   May 2024 - May 2025
Researcher   *Worcester, MA*
- Researched applications of generative AI within psychological sciences
- Leveraged LLMs (Elicit, Consensus, Llama) and vector databases (Pinecone) to streamline scientific communication workflows and develop applications for Worcester Polytechnic Institute
- Assisted in data automation for studies with 100+ participants using Python, PsychoPy, and Gorilla

Brown University School of Engineering   Jun. 2023 - Aug. 2023
Researcher   *Providence, RI*
- Developed computer vision tools for fluid mechanics lab using Python, OpenCV, and TensorFlow
- Published rotation tracking code with image segmentation and ORB feature mapping (3k+ views)

PROJECTS

post.it ⬡ | *NextJS, Tailwind CSS, Supabase, Google Gemini, JavaScript*   2025
- Created a web app to provide writers a space to read and share stories with a sticky note format
- Implemented monospace aesthetic and daily prompt generation using Gemini and cron

MediSign ⬡ | *React Native, Firebase, JavaScript*   2024
- Developed mobile app to facilitate communication between doctors and deaf/hard-of-hearing patients
- Provided ASL signs retrieved from Firebase for common symptoms, questions, and responses
- Shared app and gathered feedback from Massachusetts Department of Mental Health

Kevin ⬡ | *Raspberry Pi, OpenAI API, AWS, Python*   2024
- Created a companion robot to provide an interactive presence during lonely meals with LLM-generated dialogue, LED display, and audio and facial expressions generated with AWS Polly
- Sponsored by the U.S. Dept. of Education to present at a national expo in Washington D.C. to government and industry leaders

HONORS

American Invitational Mathematics Examination (AIME) Qualifier   2024
- Top 5% of scorers on the AMC 12

National STEM Champion   2024
- One of 126 projects chosen out of over 2,549 applicant projects nationwide

National Winner, National High School Poetry Contest   2024
- One of 23 national winners selected to be published out of thousands of submitted poems

SKILLS

- **Languages:** Python (NumPy, OpenCV), Java, C/C++, C#, HTML/CSS, JavaScript, Kotlin, LaTeX
- **Frameworks:** React.js, Node.js, Django, Flask, AngularJS, Spring Boot, TensorFlow, PyTorch
- **Developer Tools:** Unix, Bash, Amazon Web Services, Azure, Git, Postman, Embedded Electronics