

Ayush Garg

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EDUCATION

University of Richmond, Richmond, VA

Expected May 2026

Bachelor of Science in Computer Science with a minor in Business administration and Entrepreneurship

Cumulative GPA: 4.00/4.00

- Honors: Meritorious full scholarship Richmond Scholar award, Dean's List ('A' list): Fall '22
- Relevant courses: Data Structures, Discrete Mathematics, Linear Algebra, Multivariate Calculus, Microeconomics

EXPERIENCE

University of Richmond, Richmond, Virginia

Jan 2023 - Present

Research with Dr. Catherine Finegan-Dollak, Computer Science Department

- Utilize grounded NLP to translate human instructions into computer-executable commands to simulate video games.
- Acquire a deep understanding of machine learning and the connection between different machine learning domains.

University of Richmond, Richmond, Virginia

May 2022 - Present

Instructional Student Assistant, Technology Learning Center

- Provide training and assistance to students and faculty in software, and any other computer-related query.
- Stay current with industry advancements and demonstrate proficiency in Photoshop, 3D printing, filming, etc.

Lion Befrienders, Singapore

September 2021 – March 2022

Lead developer, Artificial Intelligence

- Coded a client-side fuzzy string searching-based chatbot in JavaScript that can be easily injected into a webpage.
- Led the development of a scam message simulator with video courses to sensitize over 200 elderlies.
- Collaborated with the team to present the project to the president of Singapore at the DigitalForLife festival.

Research with Dr. Daniel Mitchen Et al, Online

May 2021 – April 2022

Developer of Docanalysis

- Implemented entity recognition using Natural language processing through spaCY in a user-friendly package.
- Analyzed and mined Ethic Statements from medical research papers and got published in Research Ideas and Outcomes.

Research with Dr. Peter Murray Rust Et al, University of Cambridge

February 2021 – December 2022

Developer of Pygetpapers

- Developed a modular python library with command-line integration to retrieve scientific literature from Open repositories.
- Downloaded by more than 200 researchers around the globe and published in the Journal of Open-Source Software.

LEADERSHIP & ACTIVITIES

Hackathon, Multiple Locations

September 2020 – Present

Mentor and developer

- Lead development of projects such as vaccine distribution system and financial literacy app using Python, ReactJS, etc.
- Mentor students on python classes, packaging, API development, firebase integration, and login systems.
- Received prestigious awards at University of Virginia, University of British Columbia, and Nanyang Technical University.

SKILLS & INTERESTS

Skills: Python, JavaScript, Java, GitHub, HTML5, CSS, MySQL, App Development, Communication, Creativity, Critical Thinking.

Interests: Cooking, Public Speaking, Bodybuilding.