

Ayush Garg

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EDUCATION

University of Richmond, Richmond, VA

Expected May 2025

Bachelor of Science in Computer Science; Minor in Business Administration;

Cumulative GPA: 4.00/4.00

- **Honors:** Richmond Scholar award (Meritorious full ride award offered to 25 incoming students), Dean's A-list (Fall 22)
- **Relevant courses:** Data Structures, Discrete Mathematics, Linear Algebra, Multivariate Calculus, Microeconomics

EXPERIENCE

Beacon, Porto, Portugal

July 2023 – Present

Co-founder, CTO

- Conducted market analysis in event security industry and cofounded a B2B2C startup at European Innovation Academy
- Designed a [high fidelity prototype and landing page](#) securing partnership with companies handling 1500+ events together
- Ranked top 10 out of 100 teams and awarded mentorship from Managing Partner @ HAG.Group & HAG Ventures

Grounded Natural Language Processing Lab, University of Richmond, Virginia

January 2023 – Present

Research Assistant

- Research grounded NLP to translate human instructions into computer-executable commands to simulate video games
- Develop a deep understanding of machine learning and its domains under the guidance of Dr. Catherine Finegan-Dollak
- Prepare a literature review paper and propose a neural network architecture with a greater accuracy than current models

Technology Learning Center, University of Richmond, Virginia

May 2022 – February 2023

Instructional Technology Assistant

- Provided assistance to students and faculty in software, and other computer-related queries, averaging 10+ hours per week
- Demonstrated proficiency in Photoshop, 3D printing, filming, etc and stayed current with industry advancements
- Managed internal communication using a ticketing system as well as designed marketing material for social media platforms

Pygetpapers, Remote

February 2021 – December 2022

Lead Developer

- [Designed CLI](#) under Dr. Peter Murray Rust to retrieve scientific papers from repositories, downloaded by 200+ researchers
- Increased efficiency by 10 folds compared to manual downloads and got published in the [Journal of Open-Source Software](#)
- Designed automated workflows and testing to ensure reliability and extended support to include any open-source library

Docanalysis, Remote

May 2021 – April 2022

Lead Developer

- Implemented semantic analysis of documents with Dr. Daniel Mietchen through spaCY in [a user-friendly Python package](#)
- Increased processing speed by more than 400% compared to a human, saving 10 hours for every 50 analyzed papers
- Extracted ethic statements from research papers and got research idea [published in Research Ideas and Outcomes](#)

Lion Befrienders, Singapore, Singapore

September 2021 – March 2022

Lead Developer

- Developed a client-side chatbot in JavaScript that can be easily injected into a webpage, reducing support costs by 300%
- Directed the development of a gamified scam simulator with video courses to sensitize 200+ elderly around Singapore
- Prepared the pitch deck with the team to present the project to the president Halimah Yacob at the DigitalForLife festival

LEADERSHIP & ACTIVITIES

Deep Point Lab, Richmond, Virginia

April 2023 – Present

Co-Developer

- Conduct market and order flow analysis in \$6bn+ gaming asset marketplace and found market inefficiencies exceeding 15%
- Developed an automated investment script to buy underpriced assets, making a consistent 3%+ gross profit every 14 days

Hackathon, Multiple Locations

September 2020 – Present

Mentor and developer

- Lead development of projects such as financial literacy app and Mentor students on API development and login systems
- Achieved prestigious awards at University of Virginia, University of British Columbia, and Nanyang Technical University

SKILLS & INTERESTS

Skills: Python, JavaScript, Java, GitHub, HTML5, CSS, MySQL, CLI integration, Flask, firebase, pandas, ReactJS, VueJS. Hindi

Interests: Cooking, Public Speaking, Physical fitness, Innovation, Valorant