Aman Jot Singh

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EDUCATION

University of Delaware   Newark, DE
Honors College; GPA: 3.969; Dean's List all semesters   *Aug 2021 – May 2025*
- **Major**: Computer Science B.S., concentration in Artificial Intelligence / **Minors**: Mathematics & Linguistics
- **Relevant Coursework**: Data Structures, Software Engineering, Artificial Intelligence, Database Systems, Computer Vision, Parallel Computing, Advanced Web Technologies, Data Mining, Algorithms, Educational Game Design, Machine Organization and Assembly Language, Systems Programming, Logic for Programming

WORK EXPERIENCE

The Chemours Company   Wilmington, DE
Data Engineering Intern   *May 2024 – Aug 2024*
- Migrated multiple relational database processes to increase efficiency (SQL Server, Microsoft Azure).
- Designed and launched an internal tool that helped facilitate data analysis by **900%** (Python, Power BI).
- Collaborated daily on a team practicing agile development; presented to Data Science/Engineering teams.

Wyzant Tutoring   Bear, DE
Freelance Computer Science Tutor   *Jul 2021 – Present*
- Teach **15+** students in Computer Science topics and languages (Python, PHP, SQL, JavaScript, HTML, CSS).
- Provide help for projects, homework, and enrichment for all grades through online and in-person lessons.
- Prepare frequent lessons for each student and encourage growth through check-ups (**100+** hours logged).

University of Delaware   Newark, DE
Undergraduate Researcher   *Jun 2023 – Aug 2023*
- Completed a 10-week research program involving computer programming in the UD Mathematics Department.
- Successfully verified a computationally complex mathematical proof using Python (NumPy, Pandas).
- Designed a poster and presented results to **100+** people at the Symposium for Undergraduate Research.

Computer Science Teaching Assistant   *Aug 2022 – Dec 2022*
- Chosen by a professor to develop instructional material for an introductory Computer Science course.
- Created, edited, compiled, and debugged projects for accelerated students using an internal API (Python).
- Held 3+ office hours online and in-person each week to help students with course assignments and projects.

ACHIEVEMENTS

Deloitte Case Competition   University of Delaware
Won 1st place   *Apr 2024*
- Collaboratively developed and presented a solution to a local economic issue in a 7-day timeframe.
- Individually programmed a professional React web application to demonstrate the solution to a panel.

HenHacks Hackathon   University of Delaware
Won 1st place in the M&T Community Hack   *May 2023*
- Formulated a solution to a local issue involving community safety during a 24-hour team hackathon.
- Programmed a working website demonstration and presented to a panel of judges (React, TypeScript, CSS).

LEADERSHIP & ACTIVITIES

Computer Science + Social Good   University of Delaware
President & Project Coordinator   *Aug 2023 – Present*
- Organize and host weekly meetings advocating for, and facilitating, positive impact in Computer Science.
- Lead the design and development of a web application to serve the local community (React, TypeScript, Git).
- Educate students of all experiences on core Computer Science topics with presentations and demonstrations.

Other activities: Competitive Programming Club, Indian Student Association

SKILLS

- Languages: (*Proficient*) Python, Java, JavaScript, jQuery, HTML, CSS, SQL, TypeScript, (*Skilled*) C, C++, PHP, React
- Tech: Software Development, Git, GitHub, Microsoft Azure, Agile, Shell Scripting, VIM, Visual Studio Code, IntelliJ