

Rajvardhan Jhanwar

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EDUCATION

Grinnell College | Grinnell, IA

B.A. – December 2024

Majors – Computer Science and Mathematics | **Concentrations** – Statistics and Global Development Studies

Select Coursework – **Computer Science:** Software Design (Agile); OOP & Data Structures; Computer Architecture; C on Linux; Game Development
Economics/Mathematics: Econometrics; Statistical Modeling; Data Science; Combinatorics; Linear Algebra; Multivariable Calculus

Independent Coursework – AWS Fundamentals Specialization (ongoing); **Google's** Data Analytics (ongoing); **Dr. Salzedo's** Transition to Proofs in Number Theory; **Google's** IT-Automation with Python; **UChicago's** Computer Science with Functional Programming; **MIT OCW's** Maths for CS

SKILLS AND HONORS

Programming Languages – Java, C#, R, Stata, C, SQL, Python, MIPS (Assembly), Scheme (Lisp), HTML/CSS/JS

Development Tools – Spring boot, .NET, React, Maven, Express.js, D3.js, GitHub; PC Architecture, Agile Methodologies, Eclipse, RStudio, Figma

Soft Skills – Multilingualist (English, Hindi, Bengali, Marwari, German); Multicultural Leadership; Pioneer Investments (manages \$240K in investments)

Honors – Grinnell College Grant (\$260,000); 1st in HackGC ('22 & '23); Intel Technology Fund; Student Activity Board '23; TEDx Grinnell Committee

WORK EXPERIENCES

Solutions Engineering Intern | Bitwise Inc. – *Chicago, IL*

May 2023 – August 2023

- Teamed with 9 interns in an agile development environment to create a generative AI App, based on GPT-models & Langchain Framework, that optimizes the given code, suggests new code snippets, and provides code documentation
- Protected end user's information by leveraging regex to identify any critical information; applied masking and redaction techniques without altering the code logic, making the code safe for 3rd-party API calls
- Resolved about 15 software glitches in the app, enhancing product stability; synced once daily with 3 managers and mentors

Project Management Intern | Galaxy Weblinks Inc. – *Boston, MA*

June 2022 – August 2022

- Analyzed 15+ case studies of previous tasks undertaken by Galaxy's UI/UX and Web Development departments
- Streamlined project workflow by managing 50-60 hours per week during the training period, delivering about 20 client-specific designs on Figma per week exceeding project expectations and ensuring timely delivery
- Engaged with the team to ensure task and objective completion along with client satisfaction; served as the liaison with web development team for enabling smooth transition of work; informed team leader on daily progress

Front End Developer | Avits Solutions – *Kolkata, India (Remote)*

March 2022 – June 2022

- Designed and built efficient websites based on client provided specifications; time for designing websites decreased by almost 40% between the first and the last website; used Figma, HTML, CSS, and JavaScript
- Connected with senior web developers on the team to ensure the achievement of project milestones & quality assurance standards

SELECT PROJECTS

Fatal Car Accidents in the US | R, RStudio, Shiny, Data Models – Group of 2

May 2023

- Built an app using a logistic regression model and a comprehensive data set of over 83,000 car accidents in the US in 2019 to ensure robust analysis
- Achieved an accuracy of 78% and sensitivity of 78.9% in predicting accident severity, thus offering insights into targeted interventions

ML-Enhanced Games | Java, C, Racket, GUI, Git, Machine Learning – Individual Project

January 2023

- Developed 5 games (Tic-Tac-Toe, Wordle, Sudoku, Bunco Cup, and Minesweeper) by using machine learning to train the computer-controlled bots to provide more interactive and nuanced experiences

Artificial Life Simulation of Bacterial Cooperation | Java, OOP, Git – Individual Project

November 2022

- Created an artificial life simulation to study cooperation dynamics among bacteria by implementing OOP principles
- Investigated an organism's likelihood of cooperating with 8 random neighbors based on energy levels and the resulting effects on the bacterial colony

SELECT LEADERSHIP EXPERIENCES

Class Ambassador '25 | Development and Alumni Relations

August 2022 – Present

- Represented the class of 2025 in interactions with alumni on class requirements and held office hours to spread awareness about these resources
- Fostered a sense of affinity between students and created initiatives to boost overall college belongingness after the pandemic

Vice President ('23) & Treasurer ('22) | South Asian Student Organization

May 2022 – Present

- Managed the organization's budget of \$12,000 to organize events aimed at informing and promoting the South Asian culture around the campus
- Increased the events by 30% despite the lack of budget increase and collaborated with other cultural groups to further the intercultural exchanges