Varun Gangavarapu

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EDUCATION

Rutgers University • B.S Computer Science • Minor in Mathematics **Expected Graduation: 2025 • New Brunswick, NJ**
Coursework: Data Structures and Algorithms, Computer Architecture, Calculus 1 & 2, Discrete Mathmatics 1

EXPERIENCE

Amneal Pharmaceuticals
Software Engineering Intern **June 2023 – Current • Bridgewater, NJ**

· Migrated 100,000s of data points from AWS data lake to create a visualization layer of the supply chain pipeline to create analytical forecasts generating 1,000,000s of dollars in revenue by collaborating with cross-functional teams to understand business requirements and deliver effective data visualization solutions.

· Implemented efficient API endpoints using Postman to streamline data retrieval and processing by reducing latency by 7.3%, optimizing system performance and enhancing user experience. Conducted comprehensive testing and debugging to ensure seamless integration and smooth operation with external systems and applications.

· Organized AI initiative with Executive management by working on a forecasting model in Python to predict demand while integrating tools from AWS and Microsoft Azure to further optimize data analysis tools

Computer Science Remastered
Session Manager, Resource Creator and Tutor • https://csremastered.org **September 2021 – May 2022 • Princeton, NJ**

· Managed and facilitated engaging sessions for a 501(c)(3) non-profit organization, successfully teaching over 250 aspiring students the fundamentals of computer science and guiding them towards career opportunities in the industry.

· Created and delivered comprehensive courses on Data Structures and Algorithms and Front-End Development equipping students with essential problem-solving skills and a strong foundation in computer science principles.

· Organized a highly successful hackathon, attracting over 50 participants and garnering recognition from NJ.com and professionals in the field.

PROJECTS

Course Reveal
Founder and Full-Stack Developer **July 2023 – In Progress**

· Implemented a feature-rich platform that allows students to view their current and past classmates, fostering a sense of community and collaboration within the university.

· Integrated social networking functionalities to facilitate connections with relevant tutoring and academic services based on individual course data, improving academic support and success. data.

· Leveraged technologies including React, TypeScript, SQL, GraphQL, Express, and Socket.io to create a robust and scalable web application.

Sudoku Royale
Founder and Full-Stack Developer **June 2023 – In Progress**

· Launched a multiplayer Sudoku game with a competitive element, incorporating accuracy points and trap purchases to enhance gameplay.

· Developed a responsive website using Vanilla Typescript/JavaScript, HTML, CSS, and Node.js, optimizing performance and user experience across various devices and browsers.

· Integrated real-time multiplayer functionality with Socket.io, enabling smooth and interactive gameplay experiences for multiple users through a communication system with an Express server.

SKILLS

Languages: Java, JavaScript, TypeScript, Python, HTML, CSS, GO, C++, C#

Frameworks: React, React Native, Node.js, SQL, Socket.io, Bootstrap, Express, Rest

Tools: Amazon Web Services, Postman, Linux, Git, Docker, Microsoft Azure, PowerBI

Certifications and Awards: AWS Cloud Practitioner, United States of America Computing Olympiad Bronze Medalist

Soft Skills: Leadership, Innovation, Curiosity, Open Mindedness, Communication, Accountability

INVOLVEMENT

Rutgers University Career Advancement Club
Co-President and Director of Computer Science Department **Starts September 2023 • Rutgers University, NJ**

· Led the Computer Science Division, overseeing program delivery and creating a dynamic learning environment for members. Developed and implemented initiatives to enhance members' technical skills, career prospects, and industry readiness.

· Designed and delivered a comprehensive curriculum aligned with industry standards and emerging technologies. Integrated hands-on projects, practical exercises, and real-world scenarios to enhance members' learning outcomes and practical skills.

· Managed a team of 12 individuals, fostering collaboration and maximizing team performance. Delegated responsibilities, coordinated efforts, and ensured timely completion of projects to meet club objectives.

Blueprint
Associate in Computer Science Fellowship **September 2022 – Present • Rutgers University, NJ**

· Acquired proficiency in Website Development and Management, and the implementation of industry best practices. Developed a deep understanding of React framework and Networking with Firebase, enabling the creation of dynamic and interactive web applications.

· Benefited from invaluable mentorship from accomplished professionals who have made significant contributions at renowned companies including LinkedIn, Palantir, and Snapchat.