SANDEEP SINGH

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Education

NJIT, NEW JERSEY INSTITUTE OF TECHNOLOGY   **NEWARK, NJ**

Ying Wu College of Computing   Graduation: **May 2024**

Bachelor of Science in Computer Science

❖ **Dean's List**, NJIT Academic Excellence **Scholarship**

Experience

Full Stack Developer Intern   *January 2024 - Present*

EventGames.io   *Newark, NJ*

❖ Maintain and enhance the interactive 3D games using Three.js, ensuring optimal performance, bug-free experiences, and seamless deployment for client companies' trade shows.

❖ Actively collaborate with cross-functional teams to customize and refine gaming solutions, aligning with client-specific requirements to create immersive and educational trade show experiences.

❖ Contribute to the ongoing improvement of Event Games, supporting the company's mission to transform trade show presence through interactive storytelling and innovative game design.

Area Manager Intern   *June 2023 - August 2023*

Amazon.com   *Fresno, CA*

❖ Spearheaded the development and implementation of a Python and VBA-driven automation project that optimized daily role assignment processes for associates, achieving a 10% reduction in startup time and annual savings of over $30,000.

❖ Designed and implemented a sophisticated role randomization algorithm within the system to ensure equitable role distribution and meet the company's operational distribution needs.

❖ Enhanced operational efficiency and user experience by integrating a badge scanning system, enabling associates to access their daily assignments through Python-enhanced Excel sheets.

❖ Contributed to team management by assisting and overseeing associates in their tasks, ensuring proper handling of products and maintenance of high productivity levels.

Projects (GitHub)

BitFit Web Application

❖ Collaborated with a team to develop a fully functional website using a technology stack comprising React for the front end, MySQL for the database, and Flask for the back end.

❖ Successfully implemented user authentication, enabling seamless signup and login processes. Designed and integrated features for users to hire coaches and monitor their fitness progress, while also incorporating live messaging capabilities for enhanced user engagement.

NJIT Schedule Suggestor (In Progress)

❖ Implemented a scheduling feature that considers user-inputted class requirements and time preferences, utilizing a backtracking algorithm for efficient schedule generation. Developed with a tech stack of React, Flask and MySQL.

Programming Skills

C++, Java, SQL, HTML/CSS, JavaScript, Python, Git, Agile/Scrum, Jira, Pipelining, Android (Kotlin)