

# SANDEEP SINGH

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## Education

**NJIT, NEW JERSEY INSTITUTE OF TECHNOLOGY**

Ying Wu College of Computing

**Bachelor of Science in Computer Science**

**NEWARK, NJ**

Graduated: **May 2024**

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

## Experience

**Web Developer**

*May 2024 - July 2024*

**boomerroomers**

*Westport, CT*

- ❖ Enhanced frontend user experience by developing an intuitive and responsive interface, ensuring seamless navigation for boomers seeking and offering homeshare options.
- ❖ Created a sophisticated matching algorithm to pair boomers based on geographical area, housing preferences, lifestyle, and budget, facilitating effective and compatible homeshare connections.

**Full Stack Developer Intern**

*January 2024 - May 2024*

**EventGames.io**

*Newark, NJ*

- ❖ Maintain and enhance interactive 3D games for client companies using Three.js, focusing on bug resolution and ensuring deployment readiness. Develop key features such as user registration forms, which bolster security for data storage and retrieval, thereby improving customer engagement and data management.
- ❖ Optimized game performance, increasing frames per second (FPS) by 20% and reducing GPU usage by 15%, resulting in smoother gameplay and more efficient resource management.
- ❖ Created an immersive endless runner game using React and Three.js, with intuitive swipe controls and strategic power-ups. Ensured smooth 3D graphics and responsive gameplay for a dynamic user experience. Visit <http://alumni.run/> to play.

**Developer 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.

## Projects ([GitHub](#))

**BitFit Web Application**

- ❖ Collaborated with a team to develop a fully functional website using React, MySQL, and Flask.
- ❖ Implemented user authentication for seamless signup and login processes. Designed and integrated features for hiring coaches, monitoring fitness progress, and live messaging for enhanced user engagement.

## Programming Skills

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