Jesica Rana

Software Engineer

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OBJECTIVE

To secure a Software Engineering opportunity that will allow me to utilize, gain, and further enhance my technical skills in the field of Computer Science.

EDUCATION

B.S in Computer Science |New Jersey Institute of Technology |GPA: 3.8/4.0   Sep 2021 – May 2025

NJIT Excellence Scholarship
- **Deans Scholar - Honors** | Deans List Fall 2021 | Spring 2022 | Fall 2023
- **Relevant coursework** - Roadmap to Computing (Python) | Intro Computer Sci I / II (Java) | Foundations Of Comp Science | Programming Lang Concepts |Intro to Information Systems

KEY SKILLS | TECHNICAL SKILLS | ADDITIONAL SKILLS

- **Technical Languages**: Java, JavaScript, Python, Visual Basic, C++, CSS, React, SharePoint, SQL, API Integration, Databases
- **Key Skills:** Development • Testing & Debugging • Performance Improvement •Algorithms •Teamwork •Microsoft office• Software Installation •Client Servicing •Project Management
- **Languages**: English (Fluent), Hindi (Fluent), Gujarati (native)

WORK EXPERIENCE

Research Assistant | NJIT Computer Science Department   Sep 2023 – Present

- Working on a Checker Framework that enhances Java's type system to make it more powerful and useful. It allows software developers detect and prevent errors in their Java programs.
- Enhancing a Data Classification Checker, that ensures that data does not flow to sections of code ill-equipped to manage its classification level.

Software Development Intern | Cravath Swaine & Moore LLP   Jun 2023 – Aug 2023

- Collaborating with a team of developers to create interactive and responsive user interfaces using JavaScript, CSS, and HTML for 200+ users.
- Working on various front-end web development projects, gaining hands-on experience with modern web technologies and industry best practices.
- Developed web parts that integrated with external APIs to fetch and display real-time data to make webparts more seamless and user-friendly.
- Contributing to the team by providing innovative solutions and actively participating in code reviews and brainstorming sessions.
- Communicating effectively with team members, stakeholders, and clients to understand project requirements and delivering results within deadlines.

Code Ninjas | CS Instructor / Camp Lead   Sep 2023 – Present

- Guiding students through the fundamentals of scratch and Java. Directing summer camps that introduce students to an effective and interactive way of learning to code such as robotics and working with game-based coding such as Minecraft modding, python training.
- Training onboarding instructors. Working with 90+ students per week, managing student portfolios, and guiding JavaScript curriculums to allow students to effectively learn and transition towards a coding field.

VOLUNTEER EXPERIENCE

Newark Project Lead - Engineers Without Borders   Jan 2023 - May 2023
- Work with local organizations in Newark to provide underserved communities with basic human necessities. Working with Branch Brook Park alliance to survey the park and collect data to provide the organization with a map of organic matter that causes algal bloom in the water.

President - Girls Who Code   Sep 2020 - Jun 2021
- Initiate Girls Who Code at Clifton high school, which allows women in STEM a safe and comfortable environment to grow in the CS field.