

# Jesica Rana

## Software Engineer

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📍 Clifton, NJ

### OBJECTIVE

To secure an opportunity for a full-time role 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: 3.6/4.0**

Sep 2021 - May 2025

- NJIT Excellence Scholarship | Deans Scholar - Honors | Deans List - 2021|22|23
- Relevant coursework - Roadmap to Computing (Python) | Intro Computer Sci I / II (Java) | Databases | Operating Systems | Computer Networks

### KEY SKILLS | TECHNICAL SKILLS | ADDITIONAL SKILLS

- **Technical Skills:** Java, Python, React, SQL, API Integration, Databases, Informatica, Autosys, IBM DB2, OpenShift, Jenkins, Ansible.
- **Languages:** English (Fluent), Hindi (Fluent), Gujarati (native)

### WORK EXPERIENCE

**Software Engineer Intern | Bank Of America**

Jun 2024 - Aug 2024

- Leading the transition of CFM(Central File Management) software to a containerized environment to enhance scalability, flexibility, and deployment.
- Developed a Fast API Python Webhook that transfers files to a persistent volume claim along with transitioning the Central File Management System to a containerized environment using Jenkins, XLR, Ansible, and Openshift. The Proof of Concept would allow for a faster and more efficient architecture as well as reduce file transfer latency by 30%.

**Software and Data Engineering Co-Op | Prudential Financial**

Jan 2024 - May 2024

- Worked with Asset management, financial management, and corporate technology team at Prudential Financial.
- Worked with Informatica, Autosys, and DB2 to integrate various aspects of investment management, including portfolio management, risk analytics, trading, and operations through Aladdin software.

**Software Development Intern | Cravath Swaine & Moore LLP**

Jun 2023 - Aug 2023

- Collaborated with a team of developers to create interactive and responsive user interfaces using JavaScript, CSS, and HTML for 200+ users.
- Developed web parts that integrated with external APIs to fetch and display real-time data to make web parts more seamless and user-friendly.
- Communicating effectively with team members, stakeholders, and clients to understand project requirements and deliver results within deadlines.

**Research Assistant | NJIT Computer Science Department**

Sep 2023 - Dec 2023

- Refactored a data Classification Checker, that ensures that data does not flow to sections of code ill-equipped to manage its classification level.

### Projects

**QuickSafe App | Best Use of Agents for a Social Cause Award | HackMIT 2024**

**Technologies - Fetch.ai, Groq, Twilio, Tune Studio**

- Led the development of an iOS app that allows users to contact emergency services within seconds using voice recordings or images.
- Utilized Fetch.ai's uAgents framework to automate emergency responses based on past medical records from Apple Health. Integrated AI for real-time summarization and interaction with emergency services, enhancing response times and accuracy.
- QuickSafe would reduce emergency response times by around 20% by automating interactions with emergency services.

**Binary Brains | Team Project**

**Technologies: Rust (backend), React (frontend), MongoDB, ChatGPT API**

- Developed a coding language converter program that translates code between multiple programming languages, enabling users to learn and understand new languages more easily.

**Email Summarizer | Bank of America Hackathon**

**Technologies: Python, (NLP), Sentiment Analysis tools**

- Collaborated with a team to create an email summarizer that processes real-time emails, providing users with concise summaries and sentiment analysis for email.
- Implemented NLP techniques to accurately extract key points from lengthy emails and generate summaries in a user-friendly format.

### VOLUNTEER EXPERIENCE

**Newark Project Lead - Engineers Without Borders**

Jan 2023 - May 2023

- Working with Branch Brook Park alliance to collect data to provide a map of organic matter that causes algal bloom in the water.

**President - Girls Who Code**

Sep 2020 - Jun 2021

- Initiated Girls Who Code at Clifton High School, which allows women in STEM a safe and comfortable environment to grow in the CS field.