

# KRINA SHETH

☎ 732-558-8377 ✉ kjs10093@nyu.edu 🔗 [linkedin.com/in/KrinaSheth](https://www.linkedin.com/in/KrinaSheth) 📄 [github.com/kiara0-0](https://github.com/kiara0-0) 🌐 Portfolio-Site

## Education

**New York University, Courant Institute of Mathematics**

**Graduating May 2025**

*Master of Science in Computer Science, GPA: 3.56/4*

*New York, USA*

- Coursework: Fundamental Algorithms, Operating Systems, Advance Database Systems, DevOps
- **Roles:** Course Assistant- Computer Systems Organization

**Malaviya National Institute of Technology**

**Aug 2019 – May 2023**

*Bachelor of Science in Computer Science*

*Jaipur, India*

- Coursework: Data Structures, Computer Networks Security, DBMS, Concurrent and Parallel Programming, OOP, NLP

## Technical Skills

**Languages:** C++ with STL, Python, Java, C, SQL, HTML, CSS, JavaScript

**Technologies and Tools:** React.js, SpringBoot, Junit, Mockito, Flask, Unix, Git, Docker, Aws, Azure, Pandas, Numpy, PyTorch, Postman

## Experience

**New York University - Course Assistant, New York** — Devops and Agile Methodologies

**Jan 2025 – Present**

- Guided 38+ students in Agile and DevOps methods in applying **TDD** with PyTest, **BDD** with Gherkin, and developing cloud-native microservices via RESTful APIs using Python, Flask, Docker, and Kubernetes for an eCommerce platform
- Mentored students on CI/CD pipeline building and deployment, sprint reviews and retrospectives, and secure cloud deployment on OpenShift, improving iteration speed and deployment reliability by 25%

**Almoayyed Computers Middle East, Bahrain** — R&D Intern

**Jun 2024 – Jul 2024**

- Reduced computation time by 30% by engineering concurrent creation of multiple blogs using multithreading in a blog generation system using **CrewAI** agents and a **Flask** backend while exposing RESTful APIs for integration and testing

**WELLS FARGO, Bengaluru** — Intern Analyst

**Feb 2023 – Aug 2023**

**EPPROVE - Approving Offline Transactions**

- Proposed a unique token generation algorithm to securely map tokens to individual transactions using **SpringBoot**
- Optimized **SQL** queries using ORM to efficiently manage 3000+ tokens, enhancing transaction handling
- Applied **TDD** with JUnit and Mockito to achieve **75%** test coverage for multiple classes across different functionalities

**WELLS FARGO, Hyderabad** — Software Engineer Intern

**May 2022 – Jul 2022**

**AI Home Lending Assistant-** A voice-enabled chatbot for enhancing customer utility, with a focus on Home Mortgage loans

- Boosted user engagement by creating an interactive 3D spline model and containers using **ReactJs** for the UI
- Created a **NLP pipeline** and secured **90%** accuracy for intent classification, performed entity extraction and appropriate response selection to the user-query by training the model with 200+ conversations using Rasa 1.8

## Projects

**RepCRec- Replicated concurrency control and recovery system** 🔄

**Nov 2024 – Dec 2024**

- Engineered a robust system for managing Serializable Snapshot Isolation, using the First Committer Wins and Available Copies strategies to enhance transaction concurrency while maintaining high reliability without locking mechanisms

**FinIsh- Empowering Financial Growth for Everyone (HackNYU Hackathon)** 🔄

**Feb 2025 – Feb 2025**

- Created a gamified financial literacy platform using ReactJS, Flask, and PostgreSQL, where company-sponsored content boosts **customer acquisition** by 15% while users earn real money for learning and engaging with the platform

**Unemployment Rate Prediction** 🔄

**Feb 2024 – May 2024**

- Designed a **time series forecasting** model to predict monthly US unemployment trends; Achieved **MAPE** of < 5%
- Analyzed classification and regression models like NeuralNets, ARIMA and SARIMA to predict unemployment trend changes, reaching **70% accuracy**

**Simulation for Process Scheduling and Memory Management – Operating systems**

**Apr 2024 – May 2024**

- Orchestrated discrete event scheduling for process management by implementing FCFS, LSTF, Round Robin, Priority Scheduling using **OOP** concepts using **C++ with STL**
- Demonstrated memory management techniques such as FIFO, Clock, Aging, and Working Set algorithms, simulating the mapping of virtual address space to physical address space

## Extracurriculars and Volunteering Experience

**Vice President of Public Relations — Google Developer Groups NYU Tandon**

**Sep 2024 – Present**

- Organized tech talks, and workshops for GDG NYU Tandon, securing Google professionals as speakers and achieving a 100% increase in participation through outreach and partnerships

**Leadership positions:** Student Mentor, Head of PR- Mass Media Communication Club, Head of PR- ISBMUN 2018