

# SAVINAY SHUKLA

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## EDUCATION

### NEW YORK UNIVERSITY

Master of Science in Computer Engineering (3.97/4.00)

New York City, NY

Sep 2022 - May 2024

### MANIPAL UNIVERSITY JAIPUR

Bachelor of Technology in Information Technology (8.01/10.00)

Jaipur, India

Jul 2015 - Jul 2019

## WORK EXPERIENCE

### AI ECD

Software Development Engineer

New York, NY

May 2024 – Current

- Leading the development of an AI-driven ECD mobile application using Flutter for both Android and iOS platforms.
- Integrated large language models (LLMs) using Langchain, for language and cognitive evaluation of children.
- Incorporated secure authentication and user management with Firebase Authentication and Firestore Database.

### NEW YORK UNIVERSITY

Graduate Teaching Assistant

New York, NY

Jan 2023 – May 2024

- Spearheaded support across 4 graduate classes, in implementing deep learning systems within distributed environments using High-Performance Computing (HPCs) for multiple graduate classes.
- Structured course material on Numba, Pandas, and Numpy for Computational Chemistry, impacting a class of 61 students.

### IBM

Full Stack Software Engineer

Bengaluru, India

Dec 2019 – Aug 2022

- Engineered an Apache Struts powered supply chain management solution empowering 90+ clients for seamless shipment management.
- Integrated real-time report generation framework for asynchronous generation of cargo documents achieving a 40% increase in customer satisfaction.
- Collaborated on optimizing other supply-chain web services powered by Java, Hibernate and Spring Boot for a highly available backend.
- Spearheaded code reviews and QA within an agile and test-driven development environment, elevating overall code quality by 40%.
- Awarded “IBM Gold Champion Learner - 2020” recognition for a continuous learning initiative.

## PROJECTS

### WORLD ON WHEELS | Angular, TypeScript, Django, SQL, TailwindCSS

Designed a responsive car-rental web application using **Angular**, **Django** and **PostgreSQL**, featuring two-factor authentication. Introduced transaction and indexing strategies to improve session management and query performance by 40%. Deployed the application on **EC2**, **S3** and **DynamoDB** using **AWS CDK**.

### DATA VIZ | JavaFX, Spring Boot, PostgreSQL

Developed a data visualization tool using **Java Spring Boot** and **JavaFX**, enabling real-time representation of diverse datasets. Created RESTful endpoints with JWT authentication to facilitate CRUD operations, empowering users to efficiently manage their data.

## SKILLS

**Languages:** Java, Python, Dart, JavaScript, SQL

**Developer Tools:** VS Code, Git, Version Control, Jira, Swagger, Jenkins

**Frameworks and Libraries:** Flutter, Angular, React, Node.js, Express.js, Vue.js, Spring Boot, Django, jQuery, JUnit, Mockito

**Containerization and Orchestration:** Docker, Kubernetes, AWS, GCP, CI/CD, Kafka, Redis