SAVINAY SHUKLA

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EDUCATION

NEW YORK UNIVERSITY   New York City, NY
Master of Science in Computer Engineering (3.97/4.00)   Sep 2022 - May 2024

MANIPAL UNIVERSITY JAIPUR   Jaipur, India
Bachelor of Technology in Information Technology (8.01/10.00)   Jul 2015 - Jul 2019

WORK EXPERIENCE

AI ECD   New York, NY
Software Development Engineer   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   New York, NY
Graduate Teaching Assistant   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   Bengaluru, India
Full Stack Software Engineer   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