SAVINAY SHUKLA

Brooklyn, NY | +1 9178158731 | ss16924@nyu.edu | .linkedin.com/in/savinayshukla/

EDUCATION

NEW YORK UNIVERSITY   Boston, MA
Master of Science in Computer Engineering (3.967/4.000)   Sep 2022 - May 2024

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

WORK EXPERIENCE

AI ECD (31-employee venture-backed educational startup)   New York, NY
Software Engineer   May 2024 – Current
- Leading a team of 6 developers for an AI-driven early childhood development (ECD) mobile application using Flutter for both Android and iOS platforms.
- Integrated large language models (LLMs) like Ollama via Langchain to enhance language evaluation capabilities for children. Achieved outstanding evaluation scores across 10 families with the initial MVP.

NEW YORK UNIVERSITY   New York, NY
Graduate Employee Adjunct   Jan 2023 – May 2024
- Spearheaded support across 4 graduate classes, in implementing distributed deep learning systems using High-Performance Computing (HPCs).
- Structured undergraduate course material on Numba, Pandas, and Numpy for Computational Chemistry, impacting a class of 61 students.

IBM   New York, NY
Full Stack 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.

CLEARVIEW - Lightweight Dehazenet | Pytorch, Computer Vision, Deep Learning
Revamped the Dehazenet architecture by incorporating efficient depth-wise separable convolutions. Attained on par model performance with less than 2000 trainable parameters and 8MB model size

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