Vishwam Shukla

Boston, MA | (617)-259-6647 | shukla.vishw@northeastern.edu | linkedin.com/in/vishwamshukla | vishwam.online

EDUCATION

Master of Science in Software Engineering Systems, Northeastern University, Boston, MA **Expected May 2024**
Coursework: Object-Oriented Design, Software Engineering, Web Design, Network Structure, and Cloud Computing

Bachelor of Technology in Computer Science and Engineering, MIT ADT University, Pune, India **July 2021**

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, Swift, JavaScript, PHP, C, C++, C#, Go, R, Objective-C, .NET
Web & Mobile: RESTful APIs, GraphQL, Android, iOS, React, Typescript, HTML, CSS, Spring Boot, Bootstrap, JWT
Cloud & DevOps: AWS, GCP, Azure, Jenkins, Docker, Terraform, Microservices
Databases: SQL, MySQL, PostgreSQL, AWS RDS, NoSQL
Miscellaneous: Git, Maven, Gradle, CI/CD, Unit Testing, JUnit, Postman, Linux, Bash, Agile

EXPERIENCE

Associate Solutions Engineer – Razorpay, India **Aug 2021 - Sept 2022**
- Built SDKs in different languages for Razorpay's Neo Banking product, which improved the user's integration experience by 50%.
- Developed global search using Elasticsearch for over 500 million users, allowing them to freely search the platform thoroughly.
- Contributed to the development of a new transactional API that improved the platform's performance by handling replication lags and single points of failure.

Intern - Remote Software Solutions, India **Sept 2020 – May 2021**
- Integrated local intelligence into agricultural IoT devices using AWS IoT Core and Greengrass in conjunction with a microservice architecture.
- Implemented logging and monitoring using AWS Quicksight, Grafana, and SumoLogic.
- Enhanced security of the devices by implementing techniques like certificate rotation and detecting shared certificates.

Intern - Exympower Software and Solutions, India **Feb 2019 - Mar 2019**
- Contributed to the creation of the end-to-end RESTful web services in Java using the microservice architecture.
- Constructed a customizable and interactive dashboard with Elasticsearch that allowed the analytics and development teams to see the outages.
- Built a CDK pipeline and Java lambda functions to collect data from Postgres and DynamoDB with an SQS/SNS configuration.

PROJECTS

Potholes+ *[Copyright & Publication(IRJET)]*
- Built a dynamic application for the government of India.
- Implemented features like Potholes detection, Alert system for drivers, Predictive road maintenance, Vehicle to vehicle communication, Optimized route plan, Vehicle number plate detection, Drowsiness detection, Lane wise navigation, and Personal Assistant.

Doctors+ *[Publications(EDP Sciences & IJEAST)]*
- Built a dynamic application for hospital management.
- Implemented features like Voice-enabled AI chatbot, Diet recommendation, Diabetes prediction, Ambulance tracking, Text detection and communicator for the visually impaired, Fall detection, and Indoor hospital navigation.

Bug Tracker
- Built an end-to-end bug-tracking system for internal teams to manage production bug tickets.
- Reduced developer efforts by 85% and 50% decrease in cycle time.

ShowTime
- Developed a scalable and fault-tolerant movie streaming service using AWS.
- Implemented cosine similarity algorithm and matrix factorization algorithm to recommend movies based on user's input.

Awards

Rookie MVP Award (**Razorpay 2022**), Smart India Hackathon Winner (**National level 2020**), Technical Poster Competition Winner (**MIT ADT University 2020**), MITADTU Hackathon Winner (**2020**), Xperiment Hackathon Winner (**National level 2019**), Smart India Hackathon Winner (**National level 2019**), Project Competition Winner (**MIT ADT University**)