

Vishwam Shukla

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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++, Go, R

Web & Mobile: RESTful APIs, Android, iOS, React, 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 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 point of failure.

Intern - Remote Software Solutions, India **Sept 2020 – May 2021**

- Integrated local intelligence into agricultural IoT devices using **AWS IoT Core** and **Greengrass**.
- Implemented real time dashboards to monitor the activities of the devices using **AWS Quicksight** and **Grafana**.
- 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**

- Worked on an e-commerce website using **HTML, CSS and Bootstrapping**.
- Migrated multi-page user experience to a single page, improving customer engagement by 15%.
- Saved time and budget over 90% by building the website in less than 3 weeks.

PROJECTS

Potholes+ *[Copyright & Publication(IRJET)]*

- Built a dynamic application for reporting potholes.
- Features: 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.
- Features: Voice enabled AI chatbot, Diet recommendation, Diabetes prediction, Ambulance tracking, Text detection and communicator for visually impaired, Fall detection and Indoor hospital navigation.

SOS

- Built a sonar rock and mine predictive system for submarines.
- Constructed a logistic regression model to predict the object with an accuracy score of 86%.

ShowTime

- Built a content and collaborative filtering based movie recommendation system.
- 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**)