

Shraddha Iyer

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EDUCATION

New York University (Courant Institute of Mathematical Sciences)

New York, NY

Master of Science in Computer Science (GPA: 3.75/4)

Teaching Experience: Graduate teaching Assistant for **Agile Methodologies** course by Prof. Amos Bloomberg

Mumbai University

Mumbai, India

BE in Computer Engineering (CGPA: 8.71/10)

August 2016 - October 2020

TECHNICAL SKILLS

Languages: Java, Python, Javascript, C, C++, TypeScript, **Sacla Frameworks/Libraries:** ReactJs, AngularJs, Spring Boot, NodeJs

Databases: SQL, PostgreSQL, MongoDB, Firebase, Hive **Tools:** AWS, Docker, Git, Unity

Coursework: Operating Systems, Big Data Analytics, Advanced Databases, Data Structures, Algorithms, Machine Learning

PROFESSIONAL EXPERIENCE

Amazon Inc.

Seattle, WA

Software Engineer Intern

May 2022 - August 2022

- Built a scalable pipeline that runs 10 **ETL** Jobs simultaneously to automate data sync between **DynamoDB** Tables and **S3** bucket, thereby reducing 8+ developer hours per week.
- Deployed the cloud infrastructure in code using CDK to improve maintainability.
- Developed an end-to-end product by implementing 12 Lambdas in **Java** to facilitate data sync, created a dashboard using **ReactJs** to aid user triggers and covered more than 95% test cases.
- AWS tools used - Glue, Cloud Formation, Step Function, Lambda Functions, S3, DynamoDB

Xoriant/ Morgan Stanley

Mumbai, India

Associate Software Engineer

November 2020 - July 2021

- Implemented an authorization service in **Java** which reduced the hops between layers by 33% whilst covering 90% of the test cases using Mockito.
- Collaborated with the UI team to design user friendly interfaces and to improve load time by 18%.
- Completed a 2 month training program and gained hands-on experience with **Java**, **NodeJs**, **ReactJs** and **Spring Boot**.

Tacto Infomedia

Mumbai, India

Junior Software Engineer

July 2020 - November 2020

- Tested and implemented **GraphQL** queries to improve the fetch time and reduce latency by 20%.
- Revamped the UI using **ReactJs** and conducted testing resulting in discovery and resolution of 3 critical bugs.
- Collaborated with a team member to deliver bug free releases on schedule and conducted weekly meetings with stakeholders.

TECHNICAL PROJECTS

Telepresence Events Spectator Feed

- Built a low cost solution that allows users to spectate and participate in live events by integrating more than 8 live video streams from multiple sources into a 360° video using **OpenCV**, **Python** and **Unity**.

E-Commerce Application

- Designed reusable components using **ReactJs** and created 4 API's for smooth flow of data.
- Developed the backend using **NodeJS** which followed an MVC pattern. Integrated a payment gateway using Braintree to accept credit/debit cards and PayPal.

Disease Detection System

- Trained a **CNN** model to detect skin diseases using transfer learning and achieved an accuracy of 80%
- Deployed the model on an Android App using **TensorflowLite** to improve user experience. Integrated the application with Google Maps to connect users with nearby dermatologists.

PUBLICATIONS

- A Skin Disease Detection System Using CNN Deep Learning Algorithm** (2021), *Soft Computing and Signal Processing, Advances in Intelligent Systems and Computing*, vol 1325, Springer.