

EXPERIENCE

Graduate Research Assistant Aug 2022 — Dec 2023
Rochester Institute of Technology Rochester, NY

- Supporting full-stack development for **NGAFID** by delivering **React** components, creating RESTful API in **Java**, modifying **MySQL** database tables, and contributing to multiple user facing features.
- Designed and implemented new 3D visualization page for displaying flight paths using JavaScript library like Cesium.js.
- Developed innovative analytics features utilizing flight data, leading to a 30% increase in user engagement.
- Assisting in applied machine learning and neuroevolution research for Distributed Data Science Systems Lab.

Software Engineer Intern May 2022 — July 2022
ESRI Portland, OR

- Developed and implemented automation scripts using Ansible to install **GitHub Action** runners on existing and new servers.
- Engineered efficient GitHub Actions workflows to automate the publishing of **Docker** images in a private docker registry, resulting in a 40% reduction in manual intervention and ensuring seamless continuous integration and delivery processes.
- Upgraded existing CI/CD pipelines for improving performance by 30% and fixed security related issues by integrating Vault secret storage engine.

Associate Consultant Feb 2019 — July 2021
Capgemini Mumbai, India

- Developed in **Spring Boot, Java, Angular, MySQL** to meet design specifications and user requirements to deliver high quality applications within specified deadline.
- Implemented and maintained **CI/CD** pipelines using **Jenkins** for code quality and rapid deployment, increased efficiency of the team by 20%.
- Utilized **JUnit and Selenium** to create test cases for Java and UI components respectively to perform unit testing.
- Collaborated with clients and project management to gather requirements and participated in development of automation projects using **Python and Machine Learning** algorithms which cumulatively led to reduction of **10 Full-Time Equivalent**.
- Served as subject matter expert for the projects, delivering comprehensive knowledge transfer sessions to multiple teams and newly joined team members.

EDUCATION

Master of Science, Computer Science, Rochester Institute of Technology Aug 2021 — Dec 2023
Coursework : Advance Object-Oriented Programming Concepts, Foundation of Algorithms, Introduction to Big Data, Advance Graph Database, Big Data Analytics, Neural Networks, Introduction to Computer Networks. GPA : 3.53

Bachelor of Engineering, Electronics and Telecommunication, University of Mumbai Aug 2014 — Jun 2018

TECHNICAL SKILLS

Languages	Java, Python, Go, SQL, Shell Script, HTML5, CSS3, JavaScript, MongoDB, Cypher
Web Tools & Frameworks	Spring Boot, React, Angular, REST, SOAP, XML, JSON, Flask, Pandas
DevOps Tools	Git, SVN, Jenkins, Docker, GitHub Actions, Maven, Gradle, Linux, Make
Cloud Tools	AWS (Lambda, S3, DynamoDB, API Gateway, EC2)
Databases	Relational-DBMS (MySQL, Oracle), Graph Database (Neo4j), NoSQL(MongoDB)

PROJECTS

Deep Neural Networks in Java | *Java* Jan 2023 — May 2023

- Designed and implemented Feed Forward, Recurrent and Convolutional neural networks along with backpropagation from scratch using Java.
- Added memory cells like LSTM, GRU for RNN and utilized techniques such as batch normalization and dropout for CNN.
- Achieved about 98% accuracy on datasets like MNIST, CIFAR-10 and Iris.

Notes Application with AWS | *Java, AWS (API Gateway, Lambda, DynamoDB), Angular* Nov 2023 — Dec 2023

- Developed a full-stack application that allows users to take notes via a web application created in Angular featuring secure user authentication and real-time updates.
- Leverage AWS API Gateway and implemented a cost effective, efficient serverless backend utilizing AWS Lambda with Java 17 and AWS DyanamoDB.
- Deployed all AWS resources using SAM template as Infrastructure as Code(IaC) tool.

Reddit Firehose | *Java, Spring Boot, Kafka, Docker, Microservices* Nov 2023 — Present

- Designed and developed microservices using Spring Boot to extract data from Reddit RESTful API and push it to Kafka.
- Leveraged Docker compose to bring up Kafka cluster of multiple brokers.
- Externalized configuration of entire application using Spring Cloud Config.