

Hrishikesh Madhukunj Kumar Thakur

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Education

University Of Southern California

Masters of Science in Computer Science

Los Angeles, USA

August 2023 – Present

- **Courses :** Analysis Of Algorithm, Database Systems, Applied Natural Language Processing, Machine learning

SRM Institute Of Science And Technology

Bachelor of Technology in Computer Science, Secured an aggregate of 9.34 CGPA

Chennai, India

June 2018 – May 2022

- **Courses :** Data Structures And Algorithms, OOPS, Operating Systems, Software Engineering And Project Management, Computer Networks, Artificial Intelligence
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Skills

Languages : Python, C/C++, Javascript, Java

Databases : MySQL, MongoDB

Technologies : HTML, CSS, JSON, React, Nodejs, OOPS, WebdriverIO, NginX

Libraries : Numpy, Pandas, Scikit-learn, Pytorch

Tools and Systems : Git, Jira, REST APIs, AWS, Jenkins, Windows, MacOS, Agile

Experience

HighRadius Technologies

Associate Software Engineer

Hyderabad, India

July 2022 - July 2023

- Led Automation of smoke, sanity & regression testing (**WebDriverIO**) - Identified bugs 50% faster
- Streamlined deployments & boosted Cash Forecasting Efficiency with **CI/CD** pipeline (**Jenkins**)
- Developed reusable test automation framework - Minimized manual testing & redundant code
- Built AI-powered **anomaly detection** dashboard (CFOtech) for proactive financial reconciliation
- Designed scalable backend system (**Java, Spring Boot**) for anomaly detection & automated workflows
- Created reusable **React** components for efficient development & tenant-specific UI customization

Software Engineer - Co-op

August 2021 - June 2022

- Data Catalog (Spring Boot): Built platform for **centralized data access**, eliminating app-specific data ingestion
- Streamlined data ingestion from ERPs by automating the flow for handling large data volumes, historical data loading, significantly reducing manual data transfer time by **30%**

Atmas Softwares Private Limited

Software Developer Intern

Delhi, India

April 2021 - June 2021

- Constructed notification feature with the help of **server-sent events**
 - Managed Client-side data with the help of **Redux** and rehydration of data from **Redux persist**
 - Implemented an **Offline first approach** for better user experience in low/no network connectivity
 - Improved concurrent user capacity and application reliability by leveraging **Nginx** load balancer
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Projects

Machine Learning model for Forensic Interview Q&A ([Link](#))

September 2023 - December 2023

- Collaborated with Prof. Thomas D. Lyon on a DataFirst initiative project to develop a machine learning model for automated question type coding in forensic interviews
- Leveraged **RoBERTa** to fine-tune the model using a dataset of 349,033 real forensic interview questions.
- **Multi-Class Classification** between four crucial question types: Non-Questions, Option-Posing Questions, Directive Questions, and newly introduced Invitations

Web Application - Bookpro ([Link](#))

March 2021 - April 2021

- Developed a full-stack web application using **React**, Express, **Node.js**, **MongoDB**, and **AWS** for CRUD operations.
- Implemented **OAuth** to enable secure authenticated access to client assets without compromising initial login credentials.
- Integrated Redux for centralized application state management and **Redux Offline** for handling API calls and persisting state even when the user is offline.