

# JAY DAFTARI

+1 9299795976

[jd5829@nyu.edu](mailto:jd5829@nyu.edu) | [linkedin.com/in/jay-daftari](https://www.linkedin.com/in/jay-daftari) | [github.com/jaydaftari](https://github.com/jaydaftari) | [Portfolio](#)

## EDUCATION

### Masters of Science in Computer Engineering

New York University

- Coursework: Real-Time Embedded Systems, Introduction to Machine Learning, Internet Architecture and Protocols, Deep Learning, Big Data, Efficient AI and hardware accelerator design

### Bachelor of Technology in CSE | CGPA: 3.86/4.00

Vellore Institute Of Technology

Sep 2024 - Present

New York, U.S.A

Jul 2018 – May 2022

Chennai, India

## SKILLS

**Languages:** C, C++, Java, Python, Javascript, Bash, HTML, CSS

**Frameworks:** Nodejs, Flask, Reactjs, Tensorflow, Keras, pytorch

**Database:** SQL, MongoDB, Firebase

**Tools :** Git, Docker, kubernetes, CI/CD, jaeger, AWS, VS Code, PyCharm, Jira, Confluence

## WORK EXPERIENCE

### Application Engineer

IDFC First Bank

- Key contributor to core product development, including tablet and web applications, using Agile methodology and React.js, increasing delivery speed by 20%.
- Created RESTful APIs with Java Micronaut and Kafka for mobile and internet banking for various features, resulting in a 10% increase in the opening of zero-balance savings accounts online.
- Conducted unit tests using jest, resulting in a substantial increase in overall test coverage to 97%.
- Improved product performance by optimizing the Lighthouse report to 85% and enhancing code efficiency through the removal of redundant code and optimization measures.
- Configured Grafana and Prometheus dashboards to monitor performance metrics, reducing issue detection time by 30% and providing detailed impact reports to the business.

Mar 2022 – Aug 2024

Bengaluru, India

### Summer Research Intern

Center of Advanced Data Science

- Spearheaded research on state-of-the-art deep learning models and applied explainable AI to real-world applications.

Jul 2021 – Aug 2021

Chennai, India

### MEAN Stack Developer

Premware Services India LLP

- Led the development of Surati Taxi's scalable backend with REST APIs, cutting customer request response time by 50%.
- Designed an efficient admin panel with the MEAN Stack, boosting user management efficiency by 30%.
- Implemented web sockets, notifications, and real-time location tracking, enhancing user engagement by 40% and reducing response latency by 20%.

Feb 2021 – Mar 2021

Surat, India

## PROJECTS

### Focal | Python, Electron, Computer Vision, VLM

Collaborated in developing software utilizing webcam-based eye-tracking and screen capture analysis via VLM to track user focus, providing real-time alerts for distractions.

Feb 2025 - Feb 2025

### CluelessChef | C++, MYSQL

Developed a two-tier system allowing users to input ingredients and receive personalized recipes with admin features for managing the database, reducing data entry time by 40%.

Aug 2019 - Sep 2019

### Sportal | HTML, CSS, NodeJs, Ejs, MySql

Created a platform to help users find suitable scholarships based on eligibility, integrating a 24/7 chatbot for user assistance, saving 4 minutes per query.

Feb 2019 - Apr 2019

## PUBLICATIONS

### Explainable AI Framework for Multi-label Classification using Supervised Machine Learning Models

Proceedings of the Workshop on Advances in Computational Intelligence, its Concepts & Applications (ACI 2022) co-located with International Semantic Intelligence Conference (ISIC 2022) - [Link](#)

Nov 2022

### Efficient Dynamic Phishing Safeguard System Using Neural Boost Phishing Protections

Electronics Journal (MDPI Publication)- [Link](#)

Sep 2022

## ACHIEVEMENTS AND CERTIFICATIONS

Finalist in Cornell AI Hackathon(top 6 teams)

HackerRank Problem Solving (Intermediate) Certificate

Finalist in hacked to hired 2021-hackathon conducted by Crystal Delta(top 8 teams)

Feb 2025

Aug 2021

Jul 2021