JAY DAFTARI

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EDUCATION

Masters of Science in Computer Engineering   Sep 2024 - Present
New York University   NewYork, U.S.A
  - Coursework: Real-Time Embedded Systems, Introduction to Machine Learning, Internet Architecture and Protocols, Introduction to Systems Engineering, Big Data, Machine Learning systems engineering & operations

Bachelor of Technology in CSE | *CGPA: 3.86/4.00*   Jul 2018 – May 2022
Vellore Institute Of Technology   Chennai, India

SKILLS

Languages: C, C++, Java, Python, Javascript, Bash, HTML, CSS
Frameworks: NodeJs, Flask, ReactJs, Tensorflow, Keras
Database: SQL, MongoDB, Firebase
Tools : Git, Docker, kubernetes, CI/CD, jaeger, AWS, VS Code, PyCharm, Jira, Confluence

WORK EXPERIENCE

Application Engineer   Mar 2022 – Aug 2024
IDFC First Bank   Bengaluru, India
  - Key contributor in core product development using agile methodology, boosting 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.

Summer Research Intern   Jul 2021 – Aug 2021
Center of Advanced Data Science   Chennai,India
  - Spearheaded research on state-of-the-art deep learning models and applied explainable AI to real-world applications.

MEAN Stack Developer   Feb 2021 – Mar 2021
Premware Services India LLP   Surat, India
  - 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%.

PROJECTS

Dexterity | *Python, HTML, Computer Vision*   Mar 2021 - May 2021
Built a web-based application that recognizes hand signs with 90% accuracy and prints them.

Faceapp | *HTML, Css, ReactJs, NodeJs, MySQl*   Aug 2020 - Sep 2020
Developed a face detection website, enhancing user experience through efficient image scanning.

CluelessChef | *C++, MYSQL*   Aug 2019 - Sep 2019
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%.

Sportal | *HTML, CSS, NodeJs, Ejs, MySql*   Feb 2019 - Apr 2019
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.

PUBLICATIONS

Explainable AI Framework for Multi-label Classification using Supervised Machine Learning Models   Nov 2022
Proceedings of the Workshop on Advances in Computational Intelligence, its Concepts & Applications (ACI 2022) co-located with International Semantic Intelligence Conference (ISIC 2022) - Link

Efficient Dynamic Phishing Safeguard System Using Neural Boost Phishing Protections   Sep 2022
Electronics Journal (MDPI Publication)- Link

ACHIEVEMENTS AND CERTIFICATIONS

HackerRank Problem Solving (Intermediate) Certificate   Aug 2021
Finalist in hacked to hired 2021-hackathon conducted by Crystal Delta(top 8 teams)   Jul 2021