

YASH JAJOO

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EDUCATION

University at Buffalo, The State University of New York

Masters of Science, Computer Science

Graduating December 2025

Buffalo, NY

Sinhgad Institute Of Technology, Lonavala

Bachelor of Engineering, Computer Science

August 2017 – May 2021

Pune, India

TECHNICAL SKILLS

Languages: Python, Golang, Typescript, Javascript, Dart, Rust, C, C++, PHP, Lua

Databases: MySQL, MongoDB, PostgreSQL, BigQuery, Redis

Frameworks/Others: Apache Kafka, Kubernetes, Docker, AWS, GCP, Git, React, Azure, NodeJS, Flask, PyTorch, Spring Boot, Grafana, Nginx, GitOps, Debezium, Astro, Linux, Neovim, Jupyter Notebook

EXPERIENCE

Freightify

August 2021 – July 2024

Software Development Engineer 2 | Golang, NodeJS, MongoDB, AWS, React

Chennai, India

- Scaled multiple products to support thousands of users, maintaining various microservices and employing modern tech-stacks such as **gRPC**, Golang, and NodeJS to develop highly available systems with **99.5% uptime**.
- Modernized infrastructure by transitioning from traditional AWS EC2 to **Kubernetes** and Google Cloud Platform (GCP), improving scalability and **reducing deployment time by 40%** through automated container orchestration and efficient resource management.
- Developed full-stack applications using the MERN stack, building internal tools that increased operational **efficiency by 30%** and enhanced product management within the company.
- Implemented **ETL** pipeline using **distributed systems** such as **Kafka** and Debezium to stream real-time changes in the database and visualizing it in **Grafana** dashboards.

Occipital Tech

October 2019 – December 2019

Software Developer Intern | Flutter, Java

Mumbai, India

- Engineered an Android and iOS application to empower farmers in identifying and grading commodity samples.
- Implemented real-time analysis of features using **OpenCV** on Android to **optimize accuracy by 20%**.
- Designed an intuitive user interface to enhance **user engagement by 30%** and streamlined the grading process.

Freightbro Logistics

August 2018 – March 2019

Software Developer Intern | Flutter, Swift, Kotlin, Dart

Mumbai, India

- Developed a logistics management Android app using Flutter, incorporating RxDart for **efficient state management** and **reactive programming**. The app facilitated real-time shipment tracking, order management, and notifications, ensuring a smooth user experience across devices.
- Implemented complex **client-side logic with caching** to enhance application functionality and performance.
- Streamlined authentication processes and deployment workflows using Firestore and **CircleCI**, reducing deployment time by 45% and improving overall app management efficiency.

PROJECTS

Lyrik | *Flutter, NodeJS, Firebase* | [Play Store Link](#)

December 2019 – Present

- Engineered the Lyrik Android app, enabling users to search, view, and save song lyrics across various music genres. Implemented **offline** functionality using **SQLite** for seamless access without internet connectivity.
- Over **50,000+** downloads on the Google Play Store.
- Implemented real-time lyrics display, and playlist management features using Flutter and Dart; optimized performance and enhanced UI/UX, resulting in a **4.8-star** rating on the Google Play Store within three months of launch.

Speech Emotion Detection | *Python, PyTorch, scikit-learn, CNN*

Decemeber 2020 – May 2021

- Utilized **LSTM and CNN** models to predict speech emotional states and classify them into six categories.
- Preprocessed raw audio data by extracting relevant features such as MFCC, pitch, and spectral contrast.
- Deployed the model on a website for practical emotion detection using real-time audio.