

Adithya Kamath

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🌐 LinkedIn

EXPERIENCE

Mutual Mobile

Software Engineer

April 2022 - Present, Remote

Ember Technologies

- Migrated the entire backend infrastructure to NestJS, TypeScript, and PostgreSQL.
- Identified and resolved recurring crashes and bugs within the Android application to enhance stability and performance.

BassForecast App

- Developed a custom UI video player using ExoPlayer2 for fishing baits in the BassForecast app.
- Implemented push notifications using airship and also automated Android build uploads.

Xwell App

- Revamped the existing UI of the XWELL app to align with a new design system.
- Implemented a shopping and order tracking experience using Shopify GraphQL APIs.
- Integrated a spa booking feature for users and their dependents.

IODroid

Backend Engineer Intern

Jan 2022 - April 2022, Remote

Captain Brand Audit

- Constructed the backend infrastructure leveraging Golang and the Fiber framework.
- Managed nearly 1 million rows daily on PostgreSQL utilizing table partitioning and data compression for older entries.
- Orchestrated the deployment of the application on AWS, implementing AWS S3 presigned URLs to manage image assets.

Indian Institute of Technology, Bombay

Applied ML Intern

Aug 2021 Jan 2022, Remote

- Scraped images from various websites, focusing on data cleaning and categorizing into positive and negative samples.
- Designed a recommendation model using EfficientNet base model and triplet loss.
- Enhanced results using "closest negative" approach with Spotify's Annoy vector search library.

EDUCATION

Bangalore Institute of Technology

Bachelor of Engineering

CGPA: 8.45

Bangalore, India

SKILLS

Frameworks

SpringBoot, NestJS

Languages

Kotlin, Python, Golang, Typescript

DBMS

Postgres

Projects

Taskboard

- Implemented a P0 backend for a kanban board using Spring Webflux, jOOQ, MySQL and flyway.
- Used Row-Based Optimistic Locks to prevent concurrent database updates during card status and bucket updates.
- Implemented Key-set Pagination to improve db access speed and implemented JWT Authentication.
- Integrated Server-Sent Events (SSE) to receive asynchronous updates upon card updates.
- Wrote Unit and Integration tests, along with concurrency tests, to ensure intended behavior.

Keras (OSS contributions)

- Implemented Backup and Restore Callback to monitor ML models and handle training interruptions.
- Developed a Random Rotations pre-processing layer and associated unit tests.
- Authored other unit tests and addressed underlying feature issues.

Kan-Llama

- Pre-trained and finetuned one of the first kannada LLM.
- Generated synthetic conversation and pre-training data using ChatGpt-4 and Claude.
- Was benchmarked to be the best LLM after ChatGpt4 for Kannada language. [Link](#)