

# Amit Amrutiya

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## EXPERIENCE

### Layer5 - Part-Time Software Engineer

September 2024 – June 2025

*Remote*

- Designed and built a fully **customizable dashboard** for Meshery, enhancing user experience. (PR)
- Built an empty canvas workflow with **walkthroughs**, **catalog** and **drag-and-drop**, improving onboarding. (PR)
- Created UI to display **multi-cluster Kubernetes resource** information with real-time updates. (PR)
- Upgraded MUI **v4→v5** and Node.js **v18→v20**, reducing technical debt and improving performance. (PR1, PR2)

### Linux Foundation Mentorship - Meshery

March. 2025 – June 2025

*CNCF, Remote*

- Refactored state management by migrating **Redux to RTK**, increasing performance and maintainability. (PR)
- Led **MUI v5→v6** migration across 50+ components and optimized UI rendering flow. (PR)
- Designed and applied modal UI to manage user resources across organizations, workspaces, and teams. (PR)
- Made project **schema-driven** by centralizing data across **UI microservices** for consistency and scalability. (PR)

### Google Summer of Code - Flood Mobile

May 2023 – September 2023

*CCExtractor, Remote*

- Migrated **architecture to Bloc** with unit tests, and refactored core modules for maintainability. (PR)
- Added **internationalization**, **power management**, and **UI customization** features. (PR1, PR2, PR3)
- Improved UX with various **sorting** methods and **real-time notification** improvements. (PR1, PR2)
- Delivered **15+ production-ready features** and successfully released application on Google Play Store .

## EDUCATION

### Charotar University of Science and Technology

Gujarat

*Bachelor of Science in Computer Science and Engineering, 9.5 CGPA*

*Aug. 2020 – Aug. 2024*

## TECHNICAL SKILLS

**Languages:** Javascript, Typescript, Dart, SQL (Postgres), HTML/CSS, R

**Frontend:** React, NextJS, Flutter, shadcn/ui, Material-UI, Tailwind CSS, Bootstrap

**Backend:** Node.js, GraphQL, Rest APIs

**Database:** MongoDB, PostgreSQL, Firebase

**Developer Tools:** Docker, Kubernetes, AWS, Postman, Figma, Wordpress, Android Studio, Eclipse

## PROJECTS

### JournAI | *NextJs, Typescript, NodeJS, PostgreSQL, Docker, Kubernetes*

[GitHub](#) | [Live](#)

- AI-powered journaling** app to reflect on thoughts, track emotions, and gain deeper insights into mental health.
- Features:** Rich text editor, mood tracking, and personalized insights.
- Deployed scalable microservices architecture using Docker and Kubernetes with 99.9% uptime .

### Bitcoin transaction validator | *NextJs, Typescript, Blockchain*

[GitHub](#) | [Live](#)

- Built Bitcoin **block mining simulator** that validates transaction sets using authentic blockchain protocols .
- Developed custom validation engine with cryptographic verification, achieving 100% accuracy.
- Implemented real-time mining simulation with interactive UI showing block creation process .

### Temple Management Platform | *Website & App*

- Built for **GSFC Township Charitable Trust** to manage temple activities, reducing booking friction.
- Features:** Pooja booking, online donations, event updates, photo gallery, and contact info.
- Website:** *Express, MongoDB, NodeJS, EJS, Razorpay.*
- App:** *Flutter, Dart, Firebase, Razorpay.*

[GitHub](#) | [Demo](#) | [Live](#)

[GitHub](#) | [Demo](#) | [APK](#)

## ACHIEVEMENTS

- 3rd highest** contributor to CNCF's Meshery (**7.5k stars**) with **275 PRs** in Typescript and Go.
- Lead contributor for GSoC's **Flood Mobile project** using Dart.
- 5,000+ total contributions** on GitHub across open-source and personal projects.
- Solved **1,000+ DSA** problems across platforms like LeetCode, Codeforces, and TakeUForward.