Manas M Hejmadi

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EDUCATION

Dayananda Sagar College of Engineering (DSCE) Bengaluru, KA
Bachelor of Engineering in Computer Science (CGPA: 9.2) *2022 – 2026*

TECHNICAL SKILLS

Languages: Dart, Python, Java, JavaScript, C, Solidity, VisualBasic, VisualC#
Frameworks: Flutter, Flutter Web, Flask, Svelte, NextJS, React, Express, Viem
Databases and Tools: SQLAlchemy, PostgreSQL, MongoDB, Firebase, Supabase, Git, NGINX, Docker, Dify

EXPERIENCE

Crezam CreativeTech October 2022 – Present
Team Lead | Flutter, FlutterWeb, Python, JavaScript, Generative AI, Docker *Bengaluru, KA*
- Developed an **AI-Powered Interview Agent** with a Chunked-Transcoding Docker service, enabling seamless **proctored multilingual interviews** and automated recording generation.
- Responsible for handling Crezam's **Dart-JS bridges** and **Containerized GenAI Microservices**
- Implemented a Coding Assessment Environment using **Judge0** with Advanced Face, Screen and Voice **Proctoring** along with **Aadhar Face Verification**
- Spearheaded development of **AES-GCM encryption** for platform-wide security and **Unified-Auth** for seamless interoparability between Email and **OAuth** sign-in methods.

WinResearch Centre (FitchoiceWorld) Nov 2024 – Present
Mobile Developer | Flutter, ExpressJS, Supabase *Remote*
- Developed a Custom **Interactive Joystick** widget for seamless multi-page navigation.
- Led the development of core features like **Memberships**, Slot Booking, and **Checkout**, while optimizing and migrating the backend to a VPS, resulting in an 80% speedup.

Ratoverse Networks April 2023 – Dec 2024
Lead Mobile Developer and Consultant | Flutter, Javascript *Remote*
- Created a decentralised and secure personal chat system using the **XMTP Protocol**
- Integrated **Web3Modal** to enable Web3 interactions such as buying NFTs within the app
- Integrated **ReclaimProtocol** to enable user details and eligibility verification using **Zero Knowledge Proofs**

Atlas Knowledge & [Stealth] 2021 - 2022
Mobile Developer and Consultant | Flutter, AlpineJS, Algolia, Ruby on Rails *Remote*
- Implemented **AppTransparency**, **ShareIntents** and **Algolia Search** within the application
- Created a **WebStacker** component to make IFrame Webpages look and behave like native mobile screens

PROJECTS

ChETHFunds | *NextJS, Solidity, Ganache, Viem, Hardhat*
- Used blockchain to remove the need for a central fund manager in ChitFunds leading to increased trust. Built my own **Viem Wrapper** to interact with Solidity Smart Contracts on the Ethereum

TrashTrace | *Flutter, Flask, Python, Arduino, ESP8266*
- Built an **IoT**-integrated QR-based gamified waste disposal platform with a dustbin locator, vendor/manufacturer portals, recycling services and more

Microblogger | *Flutter, Flask, Python, Cloudinary, SQLAlchemy*
- Developed a crossplatform microblogging platform with support for **Interactive Stories** and documented it as part of the **100 Days of Code Challenge.**

ACHIEVEMENTS

- 1st Place in Appify 2024 by BMS College of Engineering
- 2nd Place in the IIT Roorkee App Innovation Challenge