

Megh Deb

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github.com/Megh2005

Education

Heritage Institute of Technology, B.Tech in Civil Engineering

- CGPA: 8.5/10.0
- **Coursework:** Structural Analysis, Concrete Technology, Geotechnical Engineering

Experience

Android Developer, Hoichoi – Kolkata, WB

June 2023 – February 2024

- Enhanced user watchlist performance by 75% through optimized RecyclerView handling and smart data caching
- Integrated in-app content metadata with Android system search, improving discoverability of downloaded media

Backend Developer Intern, Secure Tech – Bangalore, India

June 2024 – April 2025

- Implemented secure session management with token rotation and IP throttling for internal tools
- Optimized threat matching algorithms from $\mathcal{O}(n^2)$ to $\mathcal{O}(n \log n)$ for large datasets
- Built a framework to auto-generate attack vectors from JSON/XML schemas for testing
- Automated legacy log parsing using Python and SQL for faster SIEM ingestion

Projects

WIT Dreamin Website

github.com/Megh2005/wit

- Women In Tech Dreamin' is India's first community-driven Salesforce conference led by Women. This is an event that is for every Trailblazer
- Tools Used: Typescript, Firebase, Next JS, Gemini, Tailwind CSS

Bhagwad GPT

https://bhagvadgpt.app

- AI-powered assistant inspired by the Bhagavad Gita, designed to offer spiritual wisdom, practical guidance, and philosophical insights
- Tools Used: Gemini, Firebase, Next JS, Typescript, Tailwind CSS

Medi Care

github.com/Megh2005/mch

- Web3-powered, AI-driven healthcare platform represents a comprehensive approach to addressing fundamental challenges in healthcare delivery through advanced technology integration.
- Tools Used: Grok, MongoDB, Next JS, Typescript, Tailwind CSS, Hugging Face, Crew AI, Zoom SDK

Technologies

Languages: JavaScript, TypeScript, Solidity, Kotlin, HTML, CSS, SQL, Bash

Frontend: React.js, Next.js, Tailwind CSS, ShadCN/UI, Bootstrap

Backend: Node.js, Express.js, Next.js API Routes, RESTful APIs, WebSockets, GCP

Blockchain: EVM, SVM, Move, DeFi, ZK-Rollups, Account Abstraction, IPFS, Filecoin, Chainlink

Databases: MongoDB, Firebase Firestore, MySQL

DevOps: Google Cloud Build, BigQuery, Cloud Run, Cloud Monitoring, Big Data

Hobbies

Chess: Strategic board game enthusiast, enjoy analyzing complex positions and improving tactical skills

Penetration Testing: Ethical hacking and security research, exploring vulnerabilities in systems and applications

Open Source Contributions: Contributing to community projects and collaborating with developers worldwide