

Nagaraj Neelam

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SKILLS

FULL STACK DEVELOPMENT – Javascript, Reactjs, Node.js, Express.js, Nestjs, Postgresql, MongoDB, Gen AI

BLOCKCHAIN : Solidity, Ethers.js, Remix, Ganache, Truffle, Hardhat

TOOLS – Postman, Stripe, Twilio, Prisma, Jest, Render, Docker

VERSION CONTROL – Git and GitHub

PROJECTS

Health Nexus (link) | Next.js, Nest.js, Prisma, Postgres, python, Docker

- Designed and developed Health Nexus, a smart healthcare appointment system integrated with my own MediVault OpenAPI, enabling real-time analysis of 1,000+ patient health records for personalized doctor recommendations.
- Engineered a scalable backend that automatically maps patient conditions to 50+ medical specializations, improving appointment booking efficiency by 60% through AI-driven doctor matching.
- Built RESTful APIs and integrated data pipelines to process electronic health records (EHR), enhancing healthcare accessibility and reducing manual doctor selection time by 70%.
- Optimized system architecture to support concurrent processing of 500+ health records per minute, ensuring high availability and reliability of the doctor recommendation engine.

MediVault (link) | Nodejs(Express.js), MongoDB, Solidity, Hardhat, IPFS, Open Zeppelin, Sepolia Ethereum, Pinata, Nextjs.

- Backend Creation: Designed a system to authenticate and manage user details, allowing users to securely add and retrieve their information for the frontend.
- ERC721 NFT Creation: Established a process to create and mint NFTs with metadata, enabling digital signatures for Medical documents..
- Enabled the creation of IPFS hashes for metadata storage. Minted NFTs using user details, such as their address, and attached digital signatures for secure verification.
- Created an interactive interface with a landing page and a user-friendly dashboard where users can upload, view, share, and verify tokens. The system is secured through authentication.

Education

Kakatiya Institute of Technology and Science, Warangal

Bachelor of Technology in Computer Science and Engineering, Networks (CGPA: 8.36 / 10.00)

Expected May 2026

Warangal, Telangana

- Relevant Coursework:** Data Structures and Algorithms, Database Management Systems, Operating Systems, Java

Winners Junior College | M.P.C Percentage: 96.2%

2019 - 2021, Warangal

Tejaswi High School | Secondary Education (CGPA: 9.7 / 10.0)

2007 - 2019, Warangal

Achievements (Hackathons & Open Source)

NASA Space Apps Challenge (link) | Nextjs, Python, Nodejs, MongoDB, Vercel

Built an application to solve the challenge **"Landsat Reflectance Data: On the Fly and at Your Fingertips"**, helping scientists and researchers working with Landsat mission data reduce research time by **80%**.

Cognizance, IIT Roorkee | Nestjs, Postgresql, Prisma, Flutter

Designed and developed a Application for the **Startup Vitacure**. We were invited to present it at the startup event during Techfest, IIT Roorkee.

GSSOC 2024- Rank#317 | Nodejs(Expressjs), React, MongoDB

Successfully developed Backends for 2 projects and have 3 hard-labeled Merged PRs. Scored 590 Points and Completed it with a **Rank of 317 out of 2418 Finalists**.

PecHacks 2024 Finalist | Nodejs(Expressjs), React, MongoDB

Designed and developed LawConnect, a legal consultation platform, securing a place in the **Top 50 teams out of 5000 participants**, at the MLH hackathon, PEC Hacks.