Yadava Kishore Chodipilli

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Education

Indian Institute of Technology, Bhilai   July 2019 – May 2023
Bachelor of Technology in Electrical Engineering (Department of EECS) (CGPA: 7.88 / 10.00)   *Raipur, Chattisgarh, India*
- **Relevant Coursework:** Introduction to Machine Learning, Computer Networks, Cryptography, Data Structures, Algorithms, Data Analytics and Visualization, Database Management Systems(RDBMS), Operating Systems.

Experience

Cunomial Technologies   July 2023 – Current
Technical Analyst   *Bangalore, Karnataka*
- Designed and implemented fullstack, responsive software applications using React, Next.js, **Node.js**, Bun, Elysia.js, **Docker**, ShadCN, and TailwindCSS.
- Proposed and executed a stack transition from JavaScript, Node.js, Express.js, and Sequelize to **Bun**, **Elysia.js**, and **DrizzleORM**, boosting performance by 100%, improving developer productivity by 50%, and enhancing code maintainability. Achieved a 30.7% reduction in Docker image size through distroless technology.
- Developed robust application management and evaluation workflows, created dynamic dashboards for multiple roles, and streamlined CSR project management with an Excel import feature, reducing debugging time by 60%. Engineered an advanced financial tracking system with cumulative result analysis, action plan monitoring, and fiscal year-wise reporting, including analytics for monthly, quarterly, and yearly stats.
- Implemented an advanced drag-and-drop mail builder with template support, a playground for editor experimentation, and template previews featuring realistic iPhone, iPad, and MacBook frames for responsive debugging. Built robust UI components using **ShadCN**.
- Refactored the analytics module using Airbnb's open-source Visx library. Developed a new component library to standardize UI elements and created a block text editor library using Tiptap as the foundation.

Myriad   April 2022 – August 2022
Web3 Developer Intern   *Remote*
- Worked on client projects using React, Ethers.js, **Express.js** and related technologies in production environment.
- Executed smart contract integration with React using Web3.js and Ethers.js.
- Managed and developed backends of Node.js and **koa.js** frameworks. Implemented frontends with React from Figma designs
- Projects: Penrose, Unite Finance, blockchain games

Projects

Medical Diagnosis App | *React.js, NextJs, FastApi, Decesion Tree Classifier, Kaggle dataset, docker, docker-compose*
- A full stack project that can predict diseases based on the symptoms and gives disease description and avoiding precautions accordingly.
- A decision tree machine learning model was trained on kaggle dataset. A REST api was made with python's FastApi to use the ml model. Frontend is made with Nextjs.
- With containerization technologies like docker, made backend and frontend both containers. and the communication between two containers was setup with docker-compose.

Smart Street Light System | *Flutter, TensorFlow object detection model*
- A mobile application that can detect objects like person, vehicles, bicycle and turns on street lights automatically
- Sends signal to a connected external Esp32 micro controller device, which controls the street lights.

Technical Skills

Languages: Javascript/Typescript, Python, C/C++, Dart, SQL, HTML, CSS, Solidity, Rust, Java
Technologies: React.js, NextJs, Express.js, Node.js, Shadcn, ElysiaJs, Django, FastApi, TensorFlow(keras), PyTorch, Ollama, Flutter, Tauri, Axum Spring Boot.
Concepts: Machine Learning, Deep Learning, Kubernetes, Docker, Git, Linux, Prometheus, Github Actions, GitLab CI/CD
Databases: PostgreSQL, SurrealDB, MongoDB, Neo4j, Redis, DrizzleORM
Web3: Web3.js, Ethers.js, Truffle, Hardhat, Remix, OpenZeppelin, DeFi domain knowledge