M. Charan Chandra

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GitHub — LinkedIn — Portfolio

Education

Vardhaman College of Engineering *2025 – 2028 (Expected)*
Bachelor of Technology in Computer Science Engineering

KDR Government Polytechnic, Wanaparthy *2022 – 2025*
Diploma in Computer Science & Engineering *CGPA: 8.8*

Projects

DreamWeaver (Noctra) — React Native, Node.js, Supabase, Prisma, Gemini API
- Developed an AI-powered mobile application for dream journaling, sleep tracking, and mental wellness using a full-stack architecture.
- Integrated Google Gemini API for dream interpretation, personalized insights, and natural language responses.
- Implemented secure authentication and structured data storage using Supabase with Prisma ORM.
- Designed cross-platform mobile UI with React Native (Expo), ensuring responsive and intuitive user experience.
- Integrated AI-based image generation to visualize dream content and enhance user engagement.

Task Scheduler App — Python, Tkinter, Pandas
- Built a cross-platform desktop application for task scheduling with reminders, recurring tasks, and priority management.
- Implemented intelligent task organization and productivity trend visualization.
- Designed clean and user-friendly interfaces using Tkinter and handled structured task data with Pandas.

Automatic Seating Allocation System — Python, Tkinter, Pandas, OpenPyXL
- Developed an automation tool to generate optimized seating arrangements for exams and events.
- Implemented rule-based allocation with conflict detection and resolution.
- Integrated Excel-based data input/output using OpenPyXL to streamline workflow and reduce manual effort.

Technical Skills

Languages: Python, C, C++, Java, JavaScript, HTML, CSS, SQL
Frameworks & Tech: Flask, React Native (Expo), Node.js, Express.js, Tailwind CSS
Databases & Tools: MySQL, Supabase (PostgreSQL), Prisma ORM, SQLAlchemy
AI & Automation: Google Gemini APIs, AI text & image generation, Python Automation
Developer Tools: Git, GitHub, VS Code, Pandas, OpenPyXL, PyInstaller

Technical Skills

- Strong foundation in Data Structures and Algorithms
- End-to-end full-stack application development
- Practical AI integration in real-world applications
- Clean, scalable, and maintainable coding practices
- Strong problem-solving and system design mindset