Venu Kumar Chittimalla

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EXPERIENCE

Software Development Intern   Feb - May 2025
Ceeras IT Services PVT LTD - Remote
- Developed a core feature for Vendor Management System, improving vendor streamlining purchasing workflows using **Python and Django**.
- Implemented server-side logic and **PostgreSQL database** operations, optimizing query performance and ensuring data integrity.
- Participated in **agile sprint planning, daily stand-ups, and retrospectives**, enhancing team collaboration and project delivery.
- Tested **REST APIs on Postman** and wrote **unit and Integration tests** to ensure robust and reliable application functionality.
- **Identified the resolved performance bottlenecks** in server logic, improving system response time by 15%.
- Documented technical processes and API endpoints to support future development and onboarding.

SUS Hacks Hackathon, Finalist (Top 10 out of 200+)   Dec - 2024
Vignan Institute of Technology, Visakhapatnam
- Designed and developed an **dynamic geofencing-based road safety alert system** using **Python, Django, WebSockets, and Google Maps API.**
- Built a fully functional MVP under 24 hours, showcasing live alerts, dynamic geofencing, and seamless frontend-backend communication via WebSockets.
- Collaborated in team, coordinating tasks, and ensuring timely prototype delivery under tight deadlines.
- **Awarded Top 7 out of 200+ teams** for innovation, technical execution, and practical impact.

PROJECTS

Route Finder Web App   *Oct* - 2025
- Built an interactive map interface to display routes and waypoints using **Google Maps API.**
- Designed a responsive frontend with **HTML, CSS, JavaScript** ensuring seamless experience across devices.
- Implemented **route calculation logic using Dijkstra, Breadth-First-Search Algorithms** and enhanced user interaction with smooth UI components.
- Optimized **application performance and managed state efficiently for real-time updates.**

Where2Purchase, *Vendor Locator Web App*   May - 2025
- Architected and developed core modules for a vendor comparison platform, **enabling real-time e-product search and comparison using Django and React.js.**
- Implemented **JWT-based authentication** to secure user sessions and API access.
- **Built scalable backend services** enhancing system performance, maintainability, and modularity.
- Designed and Integrated **responsive frontend components** to improve user experience across devices.

EDUCATION

ANITS College Visakhapatnam   Aug 2022 - Present
*Electrical and Electronics Engineering - **8.12 CGPA***

Chaithanya Junior College | Nandigama   2020 - 2022
*Maths, Physics, Chemistry - **79.3%***

TECHNICAL SKILLS

Languages: Python, C, SQL (Postgres/MYSQL), JavaScript, HTML/CSS.
Frontend & Full-Stack Tools: React.js, WebSockets, HTML/CSS, Bootstrap
Developer Tools & Platforms: Version Control (Git/GitHub), Docker, Google Cloud (basics), VS Code, Jupyter Notebook, Google Colab, Postman.
Frameworks & Backend: Django, Node.js, REST APIs, CI/CD, Redis Caching, Unit Testing, Agile/Scrum
Course Work: Data Structures and Algorithms, Computer Networks, Operating Systems(basics), DBM, OOP.
Core Competencies: Excellent Communication and Problem Solving.