RAVITEJA GAVIREDDY

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Summary

Full Stack Developer skilled in React.js, Python Flask, PostgreSQL, and Node.js, with expertise in frontend UI development, backend API integration. Proficient in JavaScript (ES6+), HTML, CSS, SQL, RESTful APIs, Git. Passionate about building scalable, high-performance web applications and collaborating in agile environments to develop intuitive, efficient solutions.

Education

Vignan's Institute of Information Technologies, B-Tech in Electrical Electronics Engineering — 2023
- GPA: 7.02/10

Bhashyam IIT Jr. College, Board of Intermediate Education — 2019
- GPA: 9.32/10

Bhashyam High School, Board of Secondary Education — 2017
- GPA: 9.2/10

Experience

MSys Tech India Private Limited – *Full Stack Developer (Contractual)*, Chennai — July 2024 – Dec 2024
- Developed and optimized the AILDD platform, improving data accessibility for pharmaceutical professionals.
- Built dynamic and responsive React.js user interfaces for an enhanced user experience.
- Designed and implemented RESTful APIs using Python and Flask, ensuring seamless data integration.
- Collaborated with cross-functional teams to integrate complex datasets and improve performance.

DevTown – Full Stack Web Developer (Internship), Virtual — April 2024 – June 2024
- Developed and deployed full-stack web applications using React.js, Node.js, Express.js, and MongoDB.
- Worked with version control (Git, GitHub) and Agile methodologies to collaborate effectively.
- Optimized application performance and ensured mobile-friendly, scalable solutions.

Aurigene Pharmaceutical Services – *Full Stack Developer (Internship)*, Bangalore — Aug 2023 – Nov 2023
- Deployed and managed an enterprise-grade PostgreSQL database storing billions of chemical compound records.
- Developed a user-friendly React.js + Flask UI, enabling seamless data extraction and analysis.
- Created a Python-based data extraction tool to process chemical information from PDFs, images, and Word documents.

Projects

Pharmaceutical Company Website Development   June 2024

- Designed and developed a website for a pharmaceutical company using React.js.
- Implemented user-friendly UI/UX with responsive design for seamless navigation.
- Deployed the website on GoDaddy, managing domain setup and hosting configurations.

A Drift Voidance P&O MPPT Algorithm in Photovoltaic Systems (Academic Project)   Oct 2022 – April 2023

- Developed and implemented a Drift Voiding Maximum Power Point Tracking (MPPT) algorithm for Photovoltaic (PV) systems.
- Utilized the Perturb & Observe (P&O) method with a Boost Converter Simulation to enhance energy efficiency.
- Analyzed the algorithm's effectiveness under varying solar exposure conditions to optimize power output.
- Conducted simulations to evaluate system performance and ensure accurate MPPT tracking for improved energy generation.

IoT Smart Energy Meter(Mini Project)   Oct 2021

- Designed and developed an IoT-based energy meter system using the Arduino platform to enable real-time electricity monitoring.
- Integrated IoT technology for remote tracking of energy consumption, reducing human intervention in electricity management.
- Implemented a remote disconnection feature for energy suppliers, allowing seamless power control in case of non-payment.
- Eliminated the need for physical server connections by enabling secure and efficient remote access for consumers and suppliers.

Technologies

- **Programming Languages:** Python, JavaScript
- **Web Development:** HTML, CSS, React.js, Flask, Node.js
- **Databases:** SQL, PostgreSQL
- **Operating Systems:** Linux, Windows
- **Version Control:** Git, GitHub
- **Tools:** Excel (Basic knowledge)

Certifications

- **Full Stack Web Development Internship Completion** – DevTown (2024)
- **Full Stack Developer Internship Completion** – Aurigene Pharmaceutical Services Ltd. (2023)