Pavan Rithick Velpuri

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Summary

A dedicated individual with a strong foundation in full-stack development and Java. I am a passionate learner and problem solver, eager to expand my knowledge of emerging technologies. I thrive in collaborative environments and excel at tackling challenging projects. Seeking opportunities to apply my skills in software development and contribute to innovative projects that drive impact and foster continuous learning.

Education

Matrusri Engineering College — HYDERABAD
Bachelor of Engineering, Computer Science and Engineering — Nov 2021 - Present
- Achievements: Current CGPA - 7.89/10.0

Krishnamurthy Junior College — HYDERABAD
Intermediate, MPC — Sep 2019 - Apr 2021
- Achievements: Secured 96.6%

Internships

South Central Railway — On-Site
Summer Intern — Jun 2024 - Jun 2024
As a Summer Intern at South Central Railway, I analyzed the FDMA frequencies of various stations and generated the necessary outputs using the Kermit algorithm using Python.

Defence Electronics Research Laboratory — On-Site
Research And Development Intern — Jun 2024 - Jun 2024
During my internship at DLRL, I worked on an Emotion Detection and Sentiment Analysis project using Python, TensorFlow, Keras, and Pandas. This role provided me with hands-on experience with machine learning technologies. I developed a web interface using HTML and CSS, integrated with Flask, to create a user-friendly application. This experience enhanced my technical skills and knowledge of full-stack development in machine learning contexts.

Skills

Intermediate: C, Java, HTML, CSS, JavaScript, Node.js, Express.js, React.js, SQL.
Basic: Python, Tailwind, MongoDB.

Projects

MERN Stack Restaurant Reservation System
- Developed a full-stack application using the MERN stack (MongoDB, Express.js, React, Node.js) to enable users to reserve tables at a specific restaurant, enhancing the booking process.
- Utilized Axios for API communication between the frontend and backend, enabling efficient handling of reservation requests and real-time data updates.
- Incorporated state management using React hooks to manage form inputs dynamically, ensuring a smooth user experience and streamlined data handling.

Portfolio Projects
- E-Commerce and Clones: Developed a responsive shoe website using React and Bootstrap, and engineered clones of GeeksforGeeks, Amazon and others with HTML, CSS, and JavaScript, utilizing Postman for API testing.
- Designed and built various mini projects, enhancing technical skills in API integration, state management, and responsive design across multiple technologies.

Currency converter and Weather web applications
- Designed and developed an interactive real time Currency converter and Weather app using HTML, CSS, JavaScript and API's.

- Employed error handling and input validation techniques to enhance the robustness of the application, ensuring accurate results and preventing user errors.
- Integrated third-party APIs to fetch real-time currency exchange rates and weather data, allowing users to access up-to-date information.

Certifications

SQL: Obtained an SQL certificate and a 3-star SQL badge from HackerRank, demonstrating proficiency in SQL querying and database management.

HTML CSS and JavaScript: Earned an HTML, CSS, and JavaScript certificate from IBM on Coursera in 2023, along with a CSS certificate from HackerRank, and achieved a 3-star rating in JavaScript on HackerRank.

Python 3.4.3: Obtained a Python 3.4.3 certificate from IIT Bombay Spoken Tutorial, demonstrating proficiency in Python programming fundamentals.

Java: Obtained a Java certificate from GUVI and achieved a 3-star rating as a coder on HackerRank.

Honors and Awards

2nd Position   2024
Matrusri Engineering College
Secured 2nd position in a coding round among 120 students, which included 4 rounds.

Volunteer

Student president   Sep 2022 - Sep 2023
Association for Computing Machinery-MECS
Conducted the ACM MECS chapter inaugural event and organized a workshop.

Event Planner   Mar 2022 - Ongoing
WithYou NGO
Participated in various events like blood donation drive, member selections .