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Gajula Eshwar

Fields of Interest

Web Development, Machine Learning, Internet of Things (IoT), High Performance Computing, Open-Source Software Development.

Education

Bachelor of Technology (B.Tech) - Computer Science Engineering

SVS Group of Institutions — Aug 2020 - Jul 2024

- Relevant Coursework: Algorithms, Data Structures, Machine Learning, Computer Vision
 - Academic Excellence: Consistently ranked among the top performers in the batch
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Certifications

- JavaScript Algorithms and Data Structures – FreeCodeCamp
 - Machine Learning with Python
 - Responsive Web Design – FreeCodeCamp
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Work Experience

IoT Developer

Bolt IoT — Nov 2023 - Dec 2023

- Designed a smart monitoring system using combined light and temperature sensors for automated alerts.
 - Developed scripts for real-time data collection and analysis using IoT modules.
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Projects

Front End

- **Event Management System:** Developed a web application to manage events, including scheduling, participant tracking, and venue coordination.

- *Technologies:* TypeScript, HTML, CSS, JavaScript, Bootstrap.
- *Outcome:* Streamlined event management processes and improved organizational efficiency.
- **Resume Generator:** Developed a web application enabling users to create professional resumes interactively. Integrated dynamic input fields and real-time previews using JavaScript.
 - *Technologies:* HTML, CSS, JavaScript, Bootstrap.
 - *Outcome:* Improved user experience with a responsive and intuitive design.
- **Cyber Portfolio Website:** Created a personal portfolio showcasing skills, projects, and certifications with an intuitive and visually appealing design.
 - *Technologies:* HTML, CSS, JavaScript.
 - *Outcome:* Effectively highlighted professional accomplishments and technical expertise.
- **Movie Explorer:** Built a movie database explorer allowing users to search and filter movies based on genres, ratings, and release dates.
 - *Technologies:* HTML, CSS, Bootstrap, JavaScript, API Integration.
 - *Outcome:* Delivered a seamless user experience with dynamic and interactive features.

Machine Learning

- **OCR using Transformers:** Developed an Optical Character Recognition system utilizing advanced transfer learning techniques.
 - *Technologies:* Python, TensorFlow.
 - *Outcome:* Achieved high accuracy in text recognition across varied document formats.
- **Handwritten Digit Recognition:** Implemented a machine learning model for digit classification using transfer learning.
 - *Technologies:* Python, Scikit-learn, TensorFlow.
 - *Outcome:* Recognized digits with over 95% accuracy on handwritten datasets.

IoT

- **Combined Sensors IoT Project:** Designed a versatile system utilizing Bolt IoT devices along with temperature and light sensors to monitor environmental conditions.
 - *Technologies:* IoT Modules, Python.

- *Features:* Monitors conditions, triggers alerts via SMS, and controls an LED based on predefined threshold values.
 - *Outcome:* Enhanced environmental monitoring through automation and real-time alerts.
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Achievements

- **Selected Projects:** Successfully developed applications during internships showcasing problem-solving and innovation.
 - **Competitive Coding:** Active participant in various coding challenges.
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Technical Skills

- **Languages:** Python, Bash, Java,
 - **Operating Systems:** Linux, Windows
 - **APIs & Libraries:** TensorFlow, Flask
 - **DevOps:** Git, Docker
 - **Web:** HTML5, CSS, JavaScript, Typescript, Web2py, Bootstrap, Responsive Design
 - **IoT:** Sensor Data Integration, Real-Time Monitoring System
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