VINJAM UMAKANTH

Software Engineer
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Skills :

- C, Java, Python , JavaScript , HTML , CSS
- Git
- SQL (Database)
- Software Development Life Cycle
- Teamwork Leadership
- Adaptability
- Problem-solving

Work Experience :

Software engineer - Maventic Innovative Solutions | Feb 2021 - Sep 2021
- Craft visually appealing and user-friendly web pages
- Stay updated on latest web development trends (HTML5, CSS3, JavaScript)
- Collaborate effectively with design and backend teams

Intern - Electronics Corporation of India Limited | Apr 2019 - Jun 2019
- Contributed to the design, testing, and optimization of Embedded Systems solutions.
- Applied programming skills to enhance the functionality of embedded systems.

Education :

Bachelor's in Electronics and Communication Engineering | CGPA : 8.8 | 2017-2021
Geethanjali College of Engineering and Technology | Hyderabad

Projects :

Automated Scrap Collection Robot
Tech Stack : Embedded C, IOT, Electronics
- Led a 4-member team in a 36-hour hackathon, creating an autonomous scrap collection robot with obstacle avoidance.
- Developed an autonomous floor-cleaning robot equipped with sensors to detect metallic particles, assisting workers in hazardous environments.
- Integrated Google Assistant for seamless remote control, enhancing user accessibility and control.

Image Compression Using Neural Networks
Tech Stack : PYTHON , Machine Learning
- Utilized convolution and recursive neural networks to encode images into compressed files for efficient transmission.
- Reduced bandwidth requirements during transmission.
- Implemented decoding upon reception, restoring the file to its original form.

Achievements :

- Secured 2nd place in the 36-Hour National Level Hackathon at JNTUH, Dec 2019