GUTTHI MARUTHI

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CAREER OBJECTIVE

Recent B. Tech CSE graduate with a strong foundation in software development and problem-solving. Eager to work in a challenging and dynamic environment where I can apply my technical skills and contribute effectively. Committed to continuously adding value to the organization while upgrading my skills and knowledge. Seeking a software engineering role to contribute to innovative projects and grow professionally.

INTERNSHIP

VILINDHA TECHNOLOGIES

Python AWS Intern   **May 2024 - Jun 2024**

- Developed Python scripts to automate cloud-based tasks and manage AWS services, including S3, EC2, and Lambda.
- Implemented data processing workflows and automated backups using AWS S3 and Python.
- Assisted in the deployment of Python applications on AWS, ensuring efficient and reliable execution.
- Monitored cloud resources and optimized usage to control costs and improve performance.

PROJECTS: Automated Data Backup System using AWS S3, Serverless Application Deployment with AWS Lambda.
Skills Learnt: AWS Services (S3, EC2, Lambda) | Python Automation | Cloud Resource Management

PROJECTS

Pothole Detection using YOLO

- Developed a real-time computer vision system to automatically detect and localize potholes in road images/videos using the state-of-the-art YOLOv4 object detection architecture.
- Optimizing hyper-parameters to achieve over 90% accuracy in pothole detection under varying conditions.
- Inputs- Road images, annotated pothole dataset, thermal imaging data, Output- Trained YOLOv4 model, real-time pothole mapping, localized detections. Reduced false rates by 15%

Skills Learnt: Python | OpenCV | TensorFlow | Keras | Deep Learning | Computer Vision

Portfolio Website

- Designed a personal portfolio website to showcase projects, skills, and experience using modern web technologies.
- Implemented responsive design principles to ensure compatibility across various devices and screen sizes.
- Integrated dynamic content features using JavaScript, enabling real-time updates and interactive elements.
- Enhanced user experience with intuitive navigation and visual appeal through HTML5, CSS3, and JavaScript frameworks.

Skills Learnt: HTML5 | CSS3 | JavaScript | Responsive Design | Web Development

EDUCATION

GITAM University, Hyderabad, Telangana	**Oct 2021 – Jun 2025**
Bachelor of Technology (B. Tech)	Computer Science and Engineering	CGPA: 8.50 / 10.00
Sri Chaitanya Junior College, Hyderabad, Telangana	**Jun 2019 – May 2021**
Intermediate	MPC (Maths, Physics, Chemistry)	Percentage: 94.4
Jawahar Nagar Pinion High School, Hyderabad, Telangana	**Jun 2018 – May 2019**
Tenth	SSC	CGPA: 9.50 / 10.00

Technical Skills and Interests

- **Programming Languages**: Python, JavaScript, Java
- **Developer Skills**: HTML, CSS, Data Structures and Algorithms, OOPS principles
- **Soft Skills:** Communication, Teamwork, Adaptability, Time Management, Problem Solving
- **IDE**: PyCharm, VS Code, Anaconda, Jupyter Notebook, Google Collab
- **Cloud/Databases/Frameworks:** MySQL, Oracle SQL
- **Coursework:** Operating System, Web Development, Database Management System, Artificial Intelligence, Machine Learning, Neural Networks, Object Oriented Programming.
- **Area of Interest:** Competitive Coding, Web Development, Data Structures

Coursera Certifications

- Data Analysis with Python - Link
- Core Java - Link

Declaration

I hereby declare that the details mentioned above are true and correct to the best of my knowledge.