J VENKATA LAKSHMI SAI ROHITH

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Education

Vellore Institute of Technology, Amaravathi CGPA: 9.29

B.Tech Computer Science and Engineering with Specialization in AI and ML *July 2021 - Present*

Technical Skills

Programming Languages: Java, Python, SQL
Developer Tools: GitHub, VS Code, WordPress, Docker, Jenkins, Weka, Postman API ,MS Office
Frameworks: Flask,TensorFlow, PyTorch,Scikit Learn
Soft Skills: Problem-Solving, Innovation, Team Leadership, Time Management, Adaptability, Public Speaking
Coursework: Object Oriented Programming, Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networks, Machine Learning, Natural Language Processing, Computer Architecture

Research & Patent Work

Sine-Cosine Fitness Grey Wolf Optimization for Brain Malignancy Detection

Patent ID: 03 2024 111 781 *IPC: HO1R 24/982*

- Co-authored an Patent investigating the use of ML on Early Brain Tumor identification using LSTM Model and for precise image classification accuracy up to 98.5% on brain malignancies in MRI images.

Experience

Software Development Engineer- Internship Jul 2024 - Dec 2024

Chatura Solutions LLP *Hybrid*

- Developed Company Website and LMS using Full Stack No-Code Tools for scalable file storage with a structured hierarchy and stringent security protocols, ensuring rapid upload speeds and exceptional data protection

Machine Learning Engineer - Internship Aug 2023 - Oct 2023

SmartInternz *Remote*

- Acquired practical experience in Machine Learning by completing hands-on training on AI-Driven Optimization of 5G Resource Allocation For Network Efficiency for 3 months.

ACADEMIC PROJECTS

AI-Driven Optimization Of 5G Resource Allocation For Network Efficiency Aug 2023 - Oct 2023

- Designed and implemented ML-based optimization on 5G Spectrum Dataset, increasing network efficiency by 50% and reducing downtime by 25%.
- Utilized dynamic resource allocation and real-time traffic surge analysis to communicate and allocate Resources.
- **Technologies Used:** Python,Flask

Plant Disease Detection using GoogleNet Model Nov 2023 - Dec 2023

- Developed a Plant Disease Detection Model using GoogleNet Deep Learning Model CNN, achieving 95% accuracy by emphasizing data quality and variations to solve plant Detection.
- Conducted a comparative study of CNN architectures, showcasing expertise in model evaluation and selection for agricultural applications showcasing skills in model evaluation.

Certifications

Google Cloud Digital Leader - Google Cloud Dec 2023
PostMan API Student Expert - Postman Dec 2023
Enterprise Design Thinking Practitioner - IBM Jul 2023
Machine Learning - Stanford University Online Nov 2022

ACADEMIC ACHIEVEMENTS

Mentored Students at GSSOC and SWOC and Contributed to Open Source at HacktoberFest 20232024

President at GeeksForGeeks VIT-AP Student Chapter

Organised University's Tech fest, Cultural Fest and TEDX with Peers