PARASA SASIDHAR

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Portfolio | Linkedin | GitHub | LeetCode

EDUCATION

Vellore Institute of Technology — Chennai
B.Tech Electronics and Computer Engineering — July 2020 - July 2024
CGPA: 8.31

Narayana Junior College — Vijayawada
Intermediate M.P.C — July 2018 - July 2020
CGPA: 9.37

EXPERIENCE

VIT Chennai | Research Internship — Hybrid | Jun 2022 - Oct 2022
- Developed a prototype using advanced Deep Learning techniques, contributing insights that led to a published research paper in a peer-reviewed journal, improving data classification accuracy by 15%.
- Authored a comprehensive publication detailing the methodology and results, which has been cited by multiple researchers, showcasing its impact in the field of deep learning.

World development organization | Data Mining Internship — Hybrid | Nov 2021 - Dec 2021
- Led data extraction efforts, employing various data scraping techniques to gather and organize information on over 1,000 NGOs across multiple states.
- Successfully created a comprehensive Excel database that streamlined data accessibility for further analysis, enhancing reporting efficiency by 30%.

SKILLS

Programming Languages:	C, C++, Java, Python
Libraries/Frameworks:	Javascript, React, Node.js, Angular, TensorFlow, Pytorch
Tools / Platforms:	Git, AWS, Docker, Visual Studio Code, Jupyter Notebook
Databases:	MySQL, MongoDB

PROJECTS / OPEN-SOURCE

A Novel Multi-Feature Fusion Method for Classification of Gastrointestinal Diseases Using Endoscopy Images | Link — *Google Colab*
- Proposed a novel classification system that achieved 97.99% accuracy using EfficientNet B0 and a custom CNN architecture, outperforming existing methods by 15%.
- Authored a publication detailing the methodology and results, available at MDPI.

Jobby: Your Ultimate Job Search Companion | Link — *React.js, CSS, HTML*
- Developed a dynamic job search platform that supports advanced filtering and search capabilities, increasing user engagement by 40%.
- Designed an intuitive interface that resulted in a 25% reduction in user drop-off rates during the job search process.

VoiceMate: Your Personal AI Assistant | Link — *Python*
- Designed and implemented an AI voice assistant capable of executing over 10 user tasks, including scheduling and alarm functions, improving user productivity by 30% and enhancing overall user experience.

CERTIFICATIONS

- AWS Cloud Partitioner - **Amazon**
- DeeLearning Specialization - **Coursera**

PUBLICATIONS

- A Novel Multi-Feature Fusion Method for Classification of Gastrointestinal Diseases Using Endoscopy Images - **MDPI Diagnostics**

- EffiCAT: A Synergistic Approach to Skin Disease Classification through Multi-Dataset Fusion and Attention Mechanisms - **ScienceDirect**