Vavilla Arjun

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Profile

A dedicated Computer Science student specializing in AI & Machine Learning, with a strong grasp of Deep Learning, NLP, and Software Development. Passionate about building intelligent systems, optimizing ML models, and exploring Reinforcement Learning for real-world impact.

Education

2022 – 2026 Hyderabad, India	**BE- CSE(Artificial Intelligence & Machine Learning)** *MVSR ENGINEERING COLLEGE*
2020 – 2022	**Intermediate,TSBIE** *Narayana Junior College*
2020	**10th Class,SCC** *Brillant Grammar High School*

Interships

InHouse Internship

College Bus Management

- **Developing a bus management platform** to optimize college transportation.
- **Implementing Student tracking and Fee management** for efficient operations.
- **Enhancing user experience** with real-time notifications and driver-student coordination.

Google AI/ML Virtual Internship

• **Machine Learning Models:** Worked on **supervised and unsupervised learning models**, including **neural networks and deep learning architectures** for AI-driven applications.

• **Model Development & Training:** Gained hands-on experience in **training, fine-tuning, and optimizing ML models** using frameworks like **TensorFlow and Scikit-learn**.

Projects

QuizVolt

An Interactive Online Quiz Platform

- Engineered a **dynamic quiz web application** using **HTML, CSS, JavaScript, PHP, and XAMPP Server**.
- Integrated **real-time scoring, user authentication, and a structured question database** for seamless user experience.
- Optimized performance and ensured **unique quiz codes** for each created quiz to enhance accessibility and security.
- **Led a team** to successfully **develop and deploy the platform**, ensuring a smooth and engaging quiz experience.

VibeSynk

AI-Powered Emotion-Based Music Recommendation System

- Designed an **AI-driven system** that recommends music **based on real-time emotion analysis**.
- Developed **emotion detection models** using **Machine Learning** and seamlessly integrated them with a smart recommendation engine.

Skills

AI/ML & NLP
Python,ML models,Tensorflow,Scikit-learn

Robotic Process Automation
UiPath

Software Development
Object Oriented Programming, Data structures, Design and Analysis of Algorithms,Agile Development,AutoCAD,MATLAB

Data Analysis & Visualization
Data Visualization using Power BI

Problem Solving and Critical Thinking

Team Leadership and Collaboration

Full Stack Development
Python(Streamlit),HTML,CSS, Javascript

Database Management System
MySQL,Oracle

Programming Languages
C,Python,Java,C++

Strong Communication and Presentation,Quick Learning and Adaptability

Research and Innovation

Certificates

Google AI/ML Virtual Internship
Completed a virtual internship supported by AICTE & the Indian Education Program, Worked on AI/ML projects, model training, and problem-solving.

Computer Networks(CCNA)
Completed Course on Computer networks at Cisco Networking Academy

Google Cloud Generative AI
Gained expertise in building and deploying AI models using Google Cloud's Gen AI tools. Developed a strong understanding of Generative AI concepts.

Deep Learning for Developers
Gained hands-on expertise in neural networks, CNNs, RNNs, and deep learning frameworks like TensorFlow & PyTorch.

Data Visualization with Power BI
Mastered data visualization techniques using Power BI to create interactive dashboards, analyze trends, and drive data-driven decision-making.
4o

Database Programming with SQL
Mastered SQL queries, database management, and optimization techniques for efficient data retrieval and storage.

References

Dr.Saritha Bantu, *Associate Professor,* MVSR ENGINEERING COLLEGE
bsaritha_cse@mvsrec.edu.in

Dr. Vemula Sridhar, *Assistant Professor,* MVSR ENGINEERING COLLEGE
sridhar_cse@mvsrec.edu.in

Research Interests

Machine Learning and Deep Learning

Explainable AI

Reinforcement Learning

Computer Vision

Artificial Intelligence(AI) for Social Good

Recommendation Systems

AI for Robotics and Autonomous Vehicles

Scalable Data Engineering & Big Data Processing