VIGNESH K

Aspiring Data Scientist | Machine Learning Enthusiast
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EDUCATION

SMVEC
BTech in Artificial Intelligence and Data Science
Expected Graduation: June 2025
Cum. GPA: 8.28 / 10
Puducherry, India

SDA HR SEC SCHOOL
HSC
Grad. May 2021
Percentage: 80
Puducherry, India

LINKS

Github:// **VigneshKrish16**
LinkedIn:// **Vignesh K**
Stack Overflow:// **Vignesh K**
Portfolio:// **Vignesh K**
Medium:// **Vigneshkrish16**

COURSEWORK

GRADUATED
AWS Academy Graduate - Machine Learning Foundation
AWS Academy Graduate - Cloud Developing
AWS Academy Graduate - Data Analytics
NPTEL - Python for Data Science
Google Cloud - Machine Learning APIs
Google Cloud - Large Language Models
Google Cloud - Prompt Design in Vertex AI

SKILLS

PROGRAMMING
AI & Data Science Workflow:
Data Collection • Data Preprocessing • Data Analysis • Model Building • Model Deployment
Familiar:
Machine Learning • Generative AI • Deep Learning • NLP
Over 5000 lines:
Python
Experienced:
TensorFlow • PyTorch • Scikit-learn • Keras • Flask
Database:
SQL • MongoDB • MockApi

PROJECTS

DATA SCIENCE EXPLORER Role: Lead Developer
04/2024 - 05/2025
- Streamlit-based no-code platform for data analysis, preprocessing, ML modeling, and interactive visualizations.
- Enhanced data-driven decision-making by 30%.

RAG ENHANCED RETRIEVAL ENGINE Role: Lead Developer
06/2024 - Present
- Developed a cutting-edge RAG system with Streamlit, transforming query answering and knowledge synthesis.
- Designed an AI-powered RAG platform combining web scraping, NLP, and graph database technologies.
- Boosted information retrieval efficiency by 40%.

CODEGEN X AI Role: ML Model Developer
10/2023 - 11/2023
- LLM Integration: Utilizes large language models for advanced coding capabilities.
- Cross-language Code Conversion and Code Optimization: Converts code seamlessly across different programming languages.

UAV POTENTIAL CONGESTION IDENTIFIER Role: Lead Developer
02/2023 - 03/2023
- 3D Flight Path Analysis: Designed for in-depth analysis of UAV flight paths.
- Congestion Area Identification: Uses machine learning and data visualization to pinpoint congestion areas. Python/Streamlit Integration.

INTERNSHIPS

PROCESS MINING INTERNSHIP - CELONIS & NEAT
Dec 2022 - Feb 2023
- Gained hands-on experience in analyzing and optimizing business processes using Celonis' process mining tools.
- Enhanced skills in data analysis, process visualization, and performance improvement.

ALTERYX DATA ANALYTICS PROCESS AUTOMATION INTERNSHIP
May - July 2023
- Acquired practical experience in building automated data workflows and performing complex data analyses.
- Learned to use Alteryx tools for data preparation, blending, and advanced analytics.

AWARDS

Year	Rank	Event
2022	2nd/450	Vertex Booing Hackathon
2024	2nd/450	Coding Fest 1.0
2023	Finalist	Reva Hackathon
2023	Finalist	CyberX-Cyber Security Hackathon