

VIGNESH K

Aspiring AI Engineer | Machine Learning Enthusiast
vigneshkrishna1607@gmail.com | 8124231849

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

2022	2 nd /450	Vertex Booring Hackathon
2024	2 nd /450	Coding Fest 1.0
2023	Finalist	Reva Hackathon
2023	Finalist	CyberX-Cyber Security Hackathon