Harish M

+918667432312 ◇ harish.maheshkumar47@gmail.com ◇ LinkedIn ◇ GitHub

EDUCATION

Vellore Institute of Technology Bhopal University	Jun '21 — Present

- Integrated M Tech in CSE (Artificial Intelligence and Machine Learning) | (GPA: CGPA: 7.36)

SKL Matriculation Higher Secondary School Tamil Nadu	May '21

- 12th Standard | (Percentage: 85.1%)

Vigneshwara Vidyalaya Matriculation Higher Secondary School Tamil Nadu	Mar '19

- 10th Standard | (Percentage: 73.2%)

SKILLS

Languages: Python, R
Frameworks & Libraries: React.js, Bootstrap, TensorFlow, Scikit-learn, Pandas, NumPy, PyTorch
Tools & Platforms: Microsoft Excel, Power BI, Tableau, Hugging Face, GitHub, Google Gemini API
Databases: MySQL, SQL Server

WORK EXPERIENCE

Prodigy Infotech — Nov '24, Remote
Data Science Intern

- Developed ML models for stock price prediction (85% accuracy), customer segmentation (+15% marketing efficiency), and sentiment analysis (F1-score: 0.88).
- Performed data analysis and visualizations on large datasets including Titanic and 50,000+ product reviews using Python, pandas, and matplotlib
- Collaborated with cross-functional teams to deliver interactive dashboards and insights to stakeholders.

ShadowFox — Aug '24, Remote
Data Science Intern

- Delivered Cricket Fielding Analysis using ML, boosting decision-making accuracy by 20%.
- Built a full ML pipeline to automate data preprocessing and model evaluation, reducing processing time by 40%.
- Conducted sentiment analysis on Twitter data with 92% classification accuracy using advanced NLP techniques.
- Enhanced model performance through hyperparameter tuning and cross-validation techniques.

PROJECTS

HR Analytics Dashboard (MySQL & Power BI) Link — Jan '25

- Built an interactive dashboard using Power BI and MySQL to analyze over 20 years of HR data (22K+ records), covering metrics such as diversity, employment trends, and tenure.
- Cleaned and modeled raw data using SQL queries; applied DAX for custom KPIs and calculated fields.
- Delivered a visually engaging, insight-driven report tailored for business stakeholders, emphasizing data-driven decision making.

RAG Based PDF-Interaction Chatbot (Python & Google Gemini API) Link — Mar '25

- Built a chatbot using RAG to enable natural language queries on PDF documents for quick information retrieval.
- Implemented PDF text extraction and FAISS-based retrieval combined with LLMs for accurate, context-aware answers.
- Created an easy-to-use interface supporting multi-turn conversations for research, legal, and support applications.

ARTIFY- AI Image Style Transfer Web App (React.js & Google Gemini API) Link — May '25

- Developed a professional AI-powered React application using Google's Gemini API to transform user photos into 8+ artistic styles (Ghibli, Cyberpunk, Oil Painting) while preserving facial identity.
- Improved operational efficiency by identifying key bottlenecks and recommending optimizations.
- Built predictive models to assess risk probability and suggest mitigation strategies.

CERTIFICATIONS

Python for ML **Link**
Data Visualization with Power BI **Link**
Generative AI for All **Link**
Data Analytics Job Simulation Deloitte **Link**

CO-CURRICULARS AND LANGUAGES

100+ DSA problems solved in Geeks for Geeks **Link**, Leet Code **Link**

Languages: English, Tamil, Telugu, Kannada