Vishnu Sakthi SelvaKumar

Full Stack Developer | Machine Learning Engineer

🏠 vishnus.me ⊙ vishnus1793 in vishnu-s ✉ vishnusakthi.44@gmail.com 📞 7397286386

Summary

B.Tech student in Artificial Intelligence and Machine Learning with hands-on experience in full stack development, machine learning projects, and cloud tools. Built real-world applications, worked with REST APIs, LLMs, and DevOps pipelines. Participated in national hackathons and enjoy solving practical problems using modern technologies.

Education

KONGU ENGINEERING COLLEGE, PERUNDURAI, INDIA
B.Tech in Artificial Intelligence and Machine Learning

2022 -- 2026
CGPA: 7.37 / 10.0

KONGU VELLALAR MATRICULATION HIGHER SECONDARY SCHOOL
Higher Secondary Certificate (HSC)

Percentage: 79%

NANDHA MATRICULATION HIGHER SECONDARY SCHOOL
Secondary School Leaving Certificate (SSLC)

Percentage: 69%

Projects

WEBSITE DEPLOYMENT IN AWS | Terraform, AWS EC2, CircleCI
2024
→ Automated infrastructure provisioning using Terraform for EC2-based static site deployment.
→ Configured AWS S3 for hosting static files with public access and versioning.
→ Implemented CI/CD pipeline using CircleCI; enabled zero-downtime deployment via immutable infrastructure.

STOCK PRICE PREDICTION USING PYSPARK | PySpark, MLlib, Time-Series Forecasting
2024
→ Built a scalable ML pipeline using PySpark for financial time-series forecasting.
→ Processed large-scale stock datasets to identify trends and generate predictions.
→ Achieved X% accuracy across Y datasets (add metric when available).

MULTI-SEARCH ENGINE SUMMARIZER | Python, LLaMA3, Ollama, Search APIs
2024
→ Developed a Python app combining Google and DuckDuckGo search APIs for wide web coverage.
→ Used Ollama with LLaMA3 for offline summarization to maintain data privacy.
→ Improved efficiency with asynchronous search and intelligent 24-hour caching.

Achievements
→ Shortlisted in Smart India Hackathon 2023.
→ Won prize in 30-hour intercollege hackathon.
→ Participated in multiple technical events and coding contests.

Skills

PROGRAMMING LANGUAGES
Python • Java • JavaScript

WEB DEVELOPMENT
React • Node.js • Express.js • MongoDB • MySQL • REST APIs

AI/ML
TensorFlow • PyTorch • Scikit-Learn • LLM Fine-Tuning • Prompt Engineering

DEVOPS/CLOUD
Docker • Terraform • CircleCI • CI/CD

DATA ENGINEERING
ETL Pipelines • Data Pipelines • File System Recovery

TOOLS & WORKFLOW
Git • GitHub • VS Code • Postman

Certifications

DOCKER MASTERY: KUBERNETES & SWARM Udemy
→ Hands-on with Docker, Kubernetes, and scalable app deployment.

MONGODB ASSOCIATE DEVELOPER (NODE.JS) | MongoDB University
→ Certified in MongoDB data modeling and Node.js backend integration.

Hobbies

Large Language Models • Linux Systems • Open Source AI Tools