

Vishnu Sakthi Selvakumar

Full Stack Developer | Web & Cloud Enthusiast
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Summary

Web Developer with hands-on experience in building responsive, dynamic websites using JavaScript, HTML, CSS, and React. Exploring Cloud Infrastructure with Terraform, AWS, and GCP. Passionate about solving real-world problems through user-centric design and scalable backend architecture.

Education

B.Tech in Artificial Intelligence and Machine Learning

Kongu Engineering College, Perundurai 2022 – 2026
CGPA: 7.37 / 10.0

HSC – Kongu Vellalar Higher Secondary School 2022
Percentage: 79%

SSLC – Kongu Vellalar Higher Secondary School 2020
Percentage: 69%

Projects

Offline LLM Summarizer | Python, Ollama, LLaMA3

- Developed a Python-based summarizer integrating Google and DuckDuckGo APIs for wide web coverage.
- Used Ollama with LLaMA3 for offline LLM-based summarization ensuring privacy and performance.
- Enhanced performance with asynchronous search and 24-hour intelligent caching.

Cloud Hosting Pipeline | Terraform, AWS, CircleCI

- Automated infrastructure provisioning using Terraform for EC2-based static site deployment.
- Configured AWS S3 with versioning and public access for static asset hosting.
- Set up CI/CD pipeline using CircleCI enabling zero-downtime deployments.

Stock Price Prediction Using PySpark | Time-Series Forecasting

- Built a scalable ML pipeline using PySpark for financial time-series forecasting.
- Preprocessed large-scale stock datasets to identify trends and generate predictions.
- Achieved promising accuracy across multiple datasets (actual metric pending).

Portfolio Website | WordPress, Elementor, PHP

- Built a responsive portfolio website using WordPress with Elementor and custom PHP modules.
- Implemented form handling, plugin configuration, and theme customization for dynamic UI.
- Ensured mobile responsiveness, SEO readiness, and cross-browser compatibility.

Skills

Web Development

HTML • CSS • JavaScript • PHP • WordPress • Elementor • Bootstrap • Ajax • JQuery • React • Node.js

Back-end & DevOps

Express.js • MongoDB • MySQL • REST APIs • AWS • GCP • Terraform • Docker • CI/CD

AI/ML & Data

TensorFlow • PyTorch • PySpark • Scikit-learn • Time-Series Forecasting • LLM Fine-Tuning

Tools

Git • GitHub • VS Code • Postman • Linux • Shell Scripting

Certifications

Docker Mastery | Udemy

Containerization, Kubernetes, and scalable app deployment.

MongoDB Developer | MongoDB Univ.

Certified in MongoDB data modeling and Node.js backend integration.

Achievements

Shortlisted – Smart India Hackathon 2023

Prize Winner – 30-hour Intercollege Hackathon

Participated in technical events, coding contests

Hobbies

Open Source Web Tools • WordPress Themes • AI Models • Linux Systems • Cloud Projects