

S VISHNU

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EXECUTIVE SUMMARY

I'm a Full-Stack Developer passionate about building scalable web applications. I leverage AI tools to optimize my development process and ship features faster. I'm eager to contribute my technical skills and collaborative mindset to build innovative products at scale. I'm committed to continuous growth and adding real value to every project I work on.

EDUCATION

KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION

Aug 2023 – Present

B.Tech in Information Technology

CGPA: 9.1/10

EXPERIENCE

Data Science Intern — Vcodez

Jun 2025 – Aug 2025

- Engineered 10+ ML models (classification & regression) using Python, Scikit-learn, Pandas, NumPy; achieved up to 88% prediction accuracy on real-world datasets.
- Performed EDA & feature engineering on 8+ datasets, reducing data inconsistencies by 30%; delivered 4+ visualizations using Matplotlib & Seaborn.

Full Stack Engineer Intern — Tarcin Robotic LLP

Apr 2026 - Present

- Building a full-stack application with Next.js and PostgreSQL; implemented secure and scalable features including role-based access control(RBAC), real-time instant notifications (Socket.io, Pusher) and Google Authentication integration.
- Optimized database queries and frontend performance; implemented comprehensive error handling and security best practices across the application.

TECHNICAL SKILLS

- Languages:** Python, JavaScript, **Java**.
- Web / MERN:** React.js, Next.js, Node.js, Express.js, MongoDB, REST APIs, Responsive Web Design.
- AI / ML :** Supervised Learning (Classification & regression), LangChain, RAG, LLMs, Ollama, Gemini ,Hugging face.
- Database :** MongoDB, PostgreSQL, ChromaDB.
- Tools:** Git, GitHub, Postman, VS Code, Pycharm, Eclipse.
- Data Analysis :** NumPy, Pandas, Matplotlib, Seaborn.
- Core Concepts:** DSA (Arrays, Strings, Linear Search, Binary Search), OOP (Learning DSA).

PROJECTS

Freelancer Platform | *MERN Stack, AI Chatbot, JWT, REST APIs*

- Developed full-stack freelancing platform with OTP + JWT auth; integrated AI chatbot reducing query resolution time by 60%.

Food Blog Application | *React.js, Node.js, Express.js, MongoDB, OTP Integration*

- Developed a responsive MERN application with full CRUD operations and Twilio SMS-based OTP authentication system ensuring secure user registration and login.

AI Mini Projects Suite | *Python, LangChain, RAG, Gemini API,Ollama ChromaDB*

- Architected 4 AI apps (Document Q&A with 85%+ RAG accuracy, Travel Advisor, Feedback Analyzer, Chatbot) using LangChain and optimized prompt engineering for enhanced performance.

ML/DL Models Suite | *Python, scikit-learn, TensorFlow, CNN*

- Built 4 models — Spam Email Detection (90%), Disease Prediction (88%), Fake News Detection (87%), CNN-based Face Emotion Recognition (85%).

Personal Health Tracker | *HTML5, CSS3, JavaScript, SMS Gateway*

- Designed a health management platform with real-time SMS notifications for medications tracking and appointment reminders; achieving 95% on-time alert delivery and reduced manual effort.

CERTIFICATIONS

- Deloitte Australia** – Data Analytics Job Simulation (Forage): Real-world analytics.

ACHIEVEMENTS

- Won **3rd Prize** in a college hackathon among 100+ teams by developing an AI-based Alumni Mentor Matching System with intelligent profile matching and engagement features, applying Machine Learning and Web Development skills to deliver a scalable solution.

ADDITIONAL INFORMATION

Languages : English (Professional), Tamil (Native), Telugu.

Interests : Artificial Intelligence Automation, LLM Research, Open Source Development, Hackathons, Freelancing.