

KARAN V

Software Engineer | AI/ML & Full-Stack Developer

+91 6374247042 | karanveera772004@gmail.com | Chennai, Tamil Nadu

linkedin.com/in/karan-v-937b2129b | github.com/Vortex1234-cpu | karanv.in

PROFILE SUMMARY

Computer Science & Engineering graduate specializing in Full-Stack Development and AI/ML, with hands-on experience building responsive web applications using PHP, MySQL, JavaScript, and Python, alongside machine learning and deep learning models using TensorFlow, Keras, and Scikit-learn. Experienced in end-to-end development — from database design and REST APIs to model training and deployment — with working knowledge of Git/GitHub, Flask, and Django. Strong analytical and problem-solving skills, with a track record of delivering clean, scalable software solutions as a Software Engineer, AI/ML Engineer, or Full-Stack Developer.

TECHNICAL SKILLS

Programming: Python, JavaScript, PHP, HTML5, CSS3

AI/ML: Machine Learning, Scikit-learn, NumPy, Pandas, OpenCV, Matplotlib

Tools: Git, GitHub, VS Code, Google Colab, Jupyter Notebook, SQL, PostgreSQL

EXPERIENCE

Deep Learning Internship | Samcore Solutions | 2025

- Developed and optimized CNN-based image classification models using Python, TensorFlow, and Keras, with strong validation accuracy and reduced training loss.
- Applied Transfer Learning, data augmentation, and feature engineering with NumPy/Pandas; tuned Adam & SGD optimizers to improve model generalization.

Software Development Engineer Internship | Bluestock Fintech | 2026

- Contributed as an SDE Internship at Bluestock Fintech, working on fintech product development and software module implementation.
- Collaborated on building and refining software modules, applying clean coding practices and full-stack development principles in a startup environment.

PROJECTS

AI-Based Food Image Classification & Dietary Analysis | Final Year Project | 2025 – 2026

- Fine-tuned a Swin Transformer using Transfer Learning on a custom food dataset for multi-label image classification with high nutritional accuracy.
- Built a dietary analysis module using OpenCV and Pandas to estimate calories, macronutrients, and personalized health insights per image.

Matrimony Platform | Python | Django | PostgreSQL | 2025 – 2026

- Designed, developed, and deployed a full-stack Matrimony platform using Django and PostgreSQL with user registration, profile management, advanced partner search & filters, match recommendations, and premium subscription plans via Razorpay.
- Built a full-featured admin panel and implemented Email OTP verification, CSRF protection, and Django security middleware; deployed to a live production server with Nginx, Gunicorn, and SSL/HTTPS.

EDUCATION

B.E. – Computer Science & Engineering

University College of Engineering, Nagapattinam | 2022 – 2026 | CGPA: 7.91 / 10.0

Higher Secondary Certificate (HSC)

GS Hindu Higher Secondary School, Srivilliputtur | 2020 – 2022 | Percentage: 76.8%

LANGUAGES

Tamil (Native) English (Professional Proficiency)