

Chetan Sominath Kale

Python Backend / Full-Stack Developer / Software Developer / Gen AI

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🌐 **GitHub:** <https://github.com/Developer0119> | **LinkedIn:** <https://linkedin.com/in/chetan-kale-3a4166346>

SUMMARY

Detail-oriented Python developer skilled in backend, full-stack, and AI-powered application development. Proficient in designing **REST APIs**, building scalable **Django applications**, and integrating **Machine Learning & Generative AI models**. Strong in **Python, SQL, HTML, CSS, and JavaScript with expertise in SDLC, debugging**, and version control. Experienced in **AI chatbot integration, ML model deployment**, and real-time data processing to deliver high-quality, user-centric solutions.

CORE SKILLS

Programming: Python, C, JavaScript, HTML5, CSS3

AI/ML & GenAI: Generative AI, LLM Integration, NLP, Computer Vision, Prompt Engineering, Model Fine-tuning

Frameworks & Libraries: Django, Pandas, NumPy, Matplotlib, Scikit-learn, LangChain, LangGraph

Databases: MySQL, SQLite

Tools: Git, VS Code, PyCharm, Postman

Specialties: REST API Development, AI Model Integration, Data Processing, UI Optimization, Problem Solving

Languages: English (Fluent), Marathi (Fluent), Hindi (Fluent)

EXPERIENCE

Full Stack Python & AI Development Intern | Naresh IT | Jan 2024 – Aug 2024

Developed **REST APIs** improving processing speed by **30%** and built a scalable **Django & MySQL backend** handling over **10,000 records**. Designed and implemented 20+ responsive UI components, integrated **Generative AI** for chatbots and summarization, and achieved **95% test coverage**, reducing production bugs by 40%..

PROJECTS

AI-Powered Stock Prediction Chatbot – Backend Developer | 2025

Implemented **LSTM, GRU, and CNN models** for time-series forecasting.

Integrated **Generative AI** for market news summarization using Hugging Face models.

Enabled **real-time stock queries** via FastAPI & WebSockets.

Leaf Disease Detection – Backend Developer | Nov 2023

Developed **AI-powered ML models** for plant disease classification (**90%+ accuracy**).

Built an API for **image uploads & diagnostics** capable of processing **100+ images/min**.

Doctor Appointment Web (DAW) – Frontend Developer | Dec 2022

Built **real-time booking interface** with responsive design for all devices.

Integrated APIs with backend for instant booking sync.

Achieved **40% faster load times** through optimization and caching.

EDUCATION

B.Sc Computer Science | Dr. Babasaheb Ambedkar Marathwada University | Jun 2024

HSC | Maharashtra State Board, Pune | Aug 2021

SSC | Maharashtra State Board, Pune | Mar 2019

ADDITIONAL

Technical Expertise: Python, Django, REST APIs, AI/ML Model Deployment, Data Visualization, Cloud Platforms, Version Control

Certifications: Python Full-Stack Development (Naresh IT), SQL Database Management

Interests: AI Model Development, Generative AI, API Optimization, System Scalability