

# Chetan Sominath Kale

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

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## 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.

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## 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)

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## 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%..

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## 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.

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## 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

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## 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