




Shaswat Kumar

Backend Developer & AI Enthusiast

 shaswatsinha000@gmail.com

 +91 7004504120

 Ranchi, Jharkhand

 [GitHub Portfolio](#) • [Live Projects](#)

Professional Summary

Passionate **Backend Developer** with strong expertise in **Python, Django, Flask**, and **API development**. Proven track record of building **10+ full-stack applications** including AI chatbots, trading systems, and web scrapers. Currently advancing skills through specialized Django backend development course. Seeking opportunities to contribute to **scalable, impactful tech solutions** while growing as a software engineer.

Core Competencies

Backend Technologies

- **Python** (Advanced) • **Django** (Intermediate) • **Flask** (Intermediate)
- **REST APIs** • **SQLite/MySQL** • **CRUD Operations** • **Database Design**

Frontend & UI

- **HTML/CSS** • **Tailwind CSS** • **Streamlit** • **Gradio** • **Responsive Design**

Development Tools

- **Git/GitHub** • **PyCharm** • **Jupyter Notebook** • **Postman** • **VS Code**

AI & Automation

- **LangChain** • **OpenAI API** • **Gemini AI** • **Selenium WebDriver** • **OpenCV**
- **Speech Recognition** • **Natural Language Processing** • **Bot Development**

Data & APIs

- **JSON Processing** • **Pandas** • **Web Scraping** • **API Integration** • **Data Extraction**
-

Featured Projects

EinsteinAI - Interactive AI Chatbot (Live Production)

August 2025 | Python, LangChain, Gemini AI, Gradio

- 🌟 **Live Application:** Built AI chatbot simulating conversations with Albert Einstein
- 🔄 **Multi-Session Management:** Implemented conversation history with session switching
- 🎨 **Modern UI:** Responsive dark-themed interface with keyboard shortcuts
- ☁️ **Cloud Deployment:** Successfully deployed on Render for public access
- ⚡ **Performance:** Fast responses powered by Google's Gemini AI via LangChain

TourCraft - Product Tour Builder (Live Production)

August 2025 | Django, JavaScript, HTML/CSS

- 🏗️ **Full-Stack Platform:** Comprehensive tool for creating interactive product tours
- 📺 **Rich Features:** Screen recording integration, animations, and visual highlights
- 👤 **User Management:** Complete authentication system with secure user sessions
- 💾 **Data Persistence:** Tour management with save/load functionality
- 🌐 **Production Ready:** Deployed with user registration and dashboard access

CoinPilot - Automated Trading Bot

August 2025 | Python, Binance API, Trading Algorithms

- 🤖 **Algorithmic Trading:** Automated buy/sell operations using Binance testnet API
- 🇮🇹 **Risk Management:** Implemented portfolio tracking and risk assessment features
- 🏗️ **Modular Architecture:** Scalable codebase supporting multiple trading strategies
- 🛡️ **Reliability:** Comprehensive error handling and logging for stable operations
- 📈 **Market Analysis:** Real-time data processing for informed trading decisions

CourtIQ - Legal Case Data Scraper

July-August 2025 | Flask, Selenium, BeautifulSoup

- ⚖️ **Legal Tech Solution:** Automated Delhi High Court case status retrieval system
 - 🔧 **Advanced Scraping:** Selenium WebDriver with CAPTCHA handling mechanisms
 - 🇮🇹 **Export Features:** CSV and PDF generation for offline case data analysis
 - 🎨 **Professional UI:** Clean Tailwind CSS interface with dynamic data display
 - 🏗️ **Modular Design:** Well-organized codebase with separate scraper engine
-

Education & Certifications

Bachelor of Commerce (B.Com) - Accounts

Ranchi University • 2021-2024

Backend Web Development with Django (Currently Enrolled)

Ardit Sulce (Udemy) • June 2025 - Present

- Comprehensive 8-week Django development program
- Focus: REST APIs, Database Integration, CRUD Operations, Git/GitHub, Deployment

Python Programming - Beginner to Intermediate

CodewithHarry (YouTube) • April-June 2025

- 6-week intensive Python course with hands-on projects
 - Mastered: OOP, Data Structures, Logic Building, Problem Solving
-

Additional Projects







Development & Automation

- **Webcam Alert System:** Motion detection with email notifications using OpenCV
- **Weather Forecast App:** Real-time weather data via OpenWeatherMap API
- **Telegram AI Bot:** Multi-feature bot with Gemini AI and live news integration
- **StreamToDo Web App:** Full-stack task management with online deployment

Desktop Applications

- **Vaani Voice Assistant:** Command-line voice interface with speech processing
 - **To-Do List GUI:** Tkinter-based task manager with file persistence
-

Key Achievements

-  **10+ Complete Projects:** Full-stack applications from concept to deployment
-  **AI Bot Development:** Built intelligent Telegram bot with multi-API integration
-  **Cloud Deployment Experience:** Multiple live applications on Render platform
-  **AI Integration Expertise:** Successfully implemented various AI APIs and frameworks
-  **Self-Directed Learning:** Continuous skill development through online resources
-  **Production-Ready Code:** Focus on error handling, logging, and user experience

Professional Interests

Technology Focus: Backend Development, AI/ML Applications, API Design, Web Scraping

Learning Goals: Advanced Django, Microservices Architecture, Cloud Technologies, DevOps

Community: Active in developer forums, open-source exploration, peer mentoring

Innovation: Passionate about solving real-world problems through ethical AI and automation

Contact Information

Email: shaswatsinha000@gmail.com

Phone: +91 7004504120

Location: Ranchi, Jharkhand

Portfolio: [Live Projects & GitHub](#)

Ready to contribute to innovative projects and grow as a backend developer in a collaborative team environment.