

# Shaswat Kumar

Backend Developer & AI Enthusiast

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 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

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## 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

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## 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

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## 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

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## Contact Information

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**Phone:** +91 7004504120

**Location:** Ranchi, Jharkhand

**Portfolio:** [Live Projects & GitHub](#)

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