ALEX KUMAR SHARMA
Python Developer

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PROFESSIONAL SUMMARY

Dedicated Python Developer with 1+ year of hands-on experience in building scalable web applications and data-driven solutions. Proven track record of delivering high-quality code and innovative projects, including a hackathon victory. Passionate about clean code, problem-solving, and continuous learning in emerging technologies.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL, HTML/CSS **Frameworks & Libraries:** Django, Flask, FastAPI, React.js, Pandas, NumPy, Scikit-learn **Databases:** PostgreSQL, MySQL, MongoDB, SQLite **Tools & Technologies:** Git, Docker, AWS, REST APIs, Linux, Redis **Development Tools:** VS Code, PyCharm, Postman, Jupyter Notebook **Other:** Agile/Scrum, Unit Testing, CI/CD, Web Scraping, Data Analysis

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PROFESSIONAL EXPERIENCE

Junior Python Developer
TechInnovate Solutions Pvt Ltd | *Mumbai, India* | **March 2024 – Present**
- Developed and maintained 3+ web applications using Django and Flask, serving 500+ daily active users
- Implemented REST APIs with 99.5% uptime, improving data retrieval efficiency by 30%
- Collaborated with cross-functional teams using Agile methodologies to deliver projects 15% ahead of schedule
- Optimized database queries reducing response time by 40% and improved application performance
- Wrote comprehensive unit tests achieving 85% code coverage and reducing production bugs by 25%
- Participated in code reviews and mentored 2 junior interns on Python best practices

Python Developer Intern
DataMinds Analytics | *Mumbai, India* | **September 2023 – February 2024**
- Built automated data processing pipelines using Python and Pandas, handling 10K+ records daily
- Created data visualization dashboards with Matplotlib and Plotly for business intelligence reports
- Developed web scrapers to collect market data from 15+ sources, improving data accuracy by 20%
- Assisted in migrating legacy systems to modern Python frameworks, reducing maintenance costs

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PROJECTS

E-Commerce Product Recommendation System
Technologies: Python, Django, PostgreSQL, Scikit-learn, Redis
- Developed a machine learning-powered recommendation engine achieving 78% accuracy
- Implemented user authentication, product catalog, and shopping cart functionality
- Deployed on AWS EC2 with automated CI/CD pipeline using GitHub Actions
- **GitHub:** github.com/alexsharma-dev/ecommerce-recommendation

Real-Time Weather Analytics Dashboard
Technologies: Python, Flask, MongoDB, Chart.js, OpenWeatherMap API
- Built responsive web application providing weather insights for 50+ Indian cities
- Integrated real-time data processing with automated alerts for severe weather conditions
- Implemented caching strategies reducing API calls by 60%
- **Live Demo:** weather-analytics-alex.herokuapp.com

Smart Expense Tracker
Technologies: Python, FastAPI, PostgreSQL, React.js, JWT Authentication
- Created full-stack application for personal finance management with expense categorization
- Implemented secure user authentication and role-based access control
- Added data visualization features showing spending patterns and budget insights
- **GitHub:** github.com/alexsharma-dev/expense-tracker

ACHIEVEMENTS & AWARDS

🏆 **Winner - Mumbai TechHack 2024**
Project: AI-Powered Study Companion
- Led a team of 4 developers to create an intelligent study assistant using Python and NLP

- Implemented features like automated quiz generation and personalized learning recommendations
- Presented solution to 200+ participants and industry experts
- **Award:** ₹50,000 cash prize + mentorship program

Certifications
- **Python Institute:** PCEP – Certified Entry-Level Python Programmer (2023)
- **AWS:** Cloud Practitioner Fundamentals (2024)
- **Coursera:** Machine Learning Specialization by Stanford University (2024)

EDUCATION
Bachelor of Engineering - Computer Science
Mumbai University | *Mumbai, India* | **2020 – 2024**
- **CGPA:** 8.2/10
- **Relevant Coursework:** Data Structures, Algorithms, Database Management, Software Engineering, Machine Learning
- **Final Year Project:** Developed a college admission prediction system using Python and ML algorithms

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ADDITIONAL INFORMATION
- **Open Source Contributions:** Active contributor to 3 Python libraries on GitHub with 50+ stars
- **Technical Blogging:** Write technical articles on Medium about Python best practices (500+ followers)
- **Languages:** English (Fluent), Hindi (Native), Marathi (Conversational)
- **Interests:** Machine Learning, Cloud Computing, Competitive Programming, Tech Meetups

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REFERENCES
Available upon request