**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

**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

**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

**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

**REFERENCES**

Available upon request