ASHUTOSH KUMAR

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PROFESSIONAL SUMMARY

Dedicated Python Software Developer with over 8 months of professional experience in designing, developing, and deploying scalable web applications using Python and Django. Strong proficiency in RESTful APIs, database management, and collaborative coding environments. Known for delivering high-quality code, problem-solving skills, and the ability to work effectively in team settings. Adept at leveraging modern development practices, including version control and CI/CD pipelines, to drive project success.

EXPERIENCE:

Meta Scifor, Bangalore - 1/2024 – Present

Designation: **Python Software Developer**

- **Developed and maintained** scalable web applications using Python and Django, leading to a 30% increase in performance and efficiency across core systems.
- **Collaborated with cross-functional teams** to design and implement RESTful APIs, ensuring seamless integration with front-end services and third-party applications.
- **Led the migration** of legacy code to a modern Django framework, reducing technical debt and improving maintainability.
- **Implemented CI/CD pipelines** using GitLab, enabling automated testing and deployment, which decreased deployment time by 20%.
- **Optimized database queries** and designed efficient database schemas using PostgreSQL, resulting in faster query response times and reduced server load.
- **Participated in code reviews** and provided mentorship to junior developers, fostering a collaborative and growth-oriented team environment.

EDUCATION

East Point College Of Engineering And Technology
Karnataka, Bangalore September 2020- May 2024

SKILLS

Programming Language:-
Python, Django, C++,C , Java

Front-End technology: HTML, CSS , Java Script

Database: MySQL, NOSQL

CERTIFICATION

- Python Institute Certified Entry-Level Python Programmer (PCEP).
- Python Institute Certified Associate in Python Programming (PCAP).
- Django for Everybody by University of Michigan (Coursera).
- AWS Certified Developer – Associate.
- Cisco Certified DevNet Associate.

Completed Bachelor of Engineering In Information Science And Engineering (with Cgpa of 7.6)

Senior Secondary (Pre-Engineering)
Anand Prep public school (CBSE) Completed in 2020(with 76%)

Secondary Education
Primus Prep public school (CBSE) Completed in 2017 (with CGPA 10)

PROJECT

- ### AI-Powered Personal Assistant:

Description: Develop an AI-powered personal assistant that integrates with various APIs (like Google Calendar, Email, Weather, etc.) to help users manage their day-to-day activities. The assistant can provide reminders, manage appointments, send emails, and even learn user preferences over time.

Key Technologies: Python, Django, Natural Language Processing (NLP) with NLTK or spaCy, TensorFlow or PyTorch (for machine learning models), OAuth2 for API integrations, PostgreSQL.

- ### Blockchain-Based Voting System:

Description: Develop a secure and transparent voting system using blockchain technology to ensure integrity and anonymity in voting processes. The system should allow users to cast votes, verify results, and audit the process.

Key Technologies: Python, Django, Blockchain (using Ethereum or Hyperledger), Smart Contracts (Solidity for Ethereum), PostgreSQL, Django Rest Framework.

- ### API for a Weather Forecasting Service:

Description: Develop a REST API that provides weather data for a given location. The API should fetch data from a third-party weather service and cache results to improve performance.

Key Technologies: Python, Django, Django Rest Framework, Requests (for API calls), Redis or Memcached (for caching).

- ### Intelligent Traffic Management System:

Description: Create a smart traffic management system that can optimize traffic flow in real-time based on data from sensors, cameras, and historical traffic patterns. The system should suggest optimal routes, control traffic lights, and reduce congestion.

Key Technologies: Python, Django, Django Rest Framework, Machine Learning (Scikit-learn or TensorFlow), IoT Sensors, PostgreSQL, Celery (for background tasks).