LOKESH KUMAR
Python Developer

EasterScience.in: (https://www.easterscience.in)
EasterScience.com: (https://www.easterscience.com)
YouTube Channel (EasterScience)

Mobile No: +91-9639920970
Email Id: lokeshkumarbijnor@gmail.com
Address: Bijnor, Uttar Pradesh, 246701
https://www.linkedin.com/in/lokesh-kumar-es/

EDUCATION

Master's Degree in **Computer Applications**
Dr APJ Abdul Kalam Technical University, Lucknow
Graduated: 2020
CGPA: 8.04

Intermediate in **PCM**
Government Inter College, Bijnor
Graduated: 2015
Percentage: 70.8%

Bachelor of Science in **Computer Science**
Vardhaman College, Bijnor
Graduated: 2018
Percentage: 67.33%

SSC (High School)
Government Inter College, Bijnor
Graduated: 2013
Percentage: 82.16%

SKILLS

- Web Development: Python, Django, Streamlit, FastAPI, Tkinter | HTML, CSS, Javascript, Bootstrap.
- Database Management: SQL, NoSQL, ORM
- Data Analysis & Visualization: Pandas, Numpy, Power BI, Beautiful Soup, Selenium Webdriver
- DevOps and Cloud: Git, Github, Docker, Jenkins (CI CD Pipeline), Nginx, Linux, AWS, Power Automate
- Others: Analytical Skills, Back-End Web Development, Rest API Development, Project Management, Software Development, System Development, Generative AI.

CETIFICATIONS

Django Certification (Udemy), MySQL Databases (Udemy), Web Scraping (Udemy), Selenium WebDriver with Python (Udemy), Python Bootcamp (Udemy)

PROJECTS

Company Distribution Management Tool (TCS)
Description: Improved page loading speed by implementing client-side processing, optimizing SQL queries with views and indexing, minifying CSS and JavaScript, and converting images to WebP and AVIF formats. Enhanced performance via using Redis and reducing webpage load times by 40%. Migrated Outlook REST API calls to Graph API.

Application Metrics Tool (TCS)
Description: Designed a standalone monitoring tool with Streamlit, creating database tables and APIs to interact with applications, store information, and display metrics, errors, and logs.

PDF Blue Link Validator (TCS)
Description: Developed a tool to detect broken links in PDF files, optimizing the process by storing information in a database table using hash keys for each file. Implemented functionality to skip processed files, enabling the tool to operate on individual files, directories, or subdirectories. Saved approximate 5 Minutes/pdf.

Automated Report Generation (TCS)
Description: Developed a web app that extracts data from PDF and Word files to generate a comprehensive MS Word report. Implemented a mapping feature to insert extracted data into specified sections or subsections of the report, ensuring accurate formatting and organization. Utilized Python for file handling, data parsing, and MS Word report creation, streamlining document generation workflows.

PROFESSIONAL EXPERIENCE

Position: Sr Software Engineer
Company: Wipro Limited
Location: Noida, Uttar Pradesh
Duration: September 2024 - Present
Key Responsibilities:
- Designed a high-performance stored procedure using Python Snowpark with multithreading to optimize data loading and unloading with Python.

Position: System Engineer (Role: Python Full Stack Developer)
Company: Tata Consultancy Services
Location: Noida, Uttar Pradesh
Duration: February 2020 - September 2024
Key Responsibilities:
- Designed a standalone monitoring tool with Streamlit, creating database tables and APIs to interact with applications, store information, and display metrics, errors, and logs.
- Designed a GUI desktop application to automate a manual process of raising service request using Tkinter.
- Designing a web application to map and synchronize sections/sub-sections between two Word documents, enabling users to perform CURD operations while preserving formatting and styling.
- Collaborated with cross-functional teams to gather and analyze business requirements and design Python-based applications with Open API integration (Gen AI).
- Implemented Automated data processing workflows using Power Automate Cloud.
- Designed and maintained SQL databases, ensuring high performance and security.
- Contributed to the adoption of microservices architecture (AWS Lambda) and Docker/Kubernetes containerization.
- Deployed Django web applications with SQL databases on on-premises servers via Nginx and WSGI, including SSL certification and SSO integration.
- Set up and managed an on-premises Git server to facilitate team collaboration using Git.
- Improved page loading speed by implementing client-side processing and optimizing SQL queries.
- Led a team of three developers to design web applications using Django, HTML, CSS, JavaScripts.
- Resolved bugs, developed Rest API with Fast API, and conducted thorough unit and integration testing.
- Dockerized applications and designed CI/CD pipelines with Jenkins, enhancing deployment efficiency and scalability.

AWARDS
1. Received multiple awards including the Contextual Master Award, Best Team Award, and MFDI Award, along with several on-the-spot awards and client appreciation notes.
2. Secured 2nd position in UPBoard high school results within the city.
3. Authored the book "B.Sc. (CS) iii Year: Complete Reference" in 2017.

DECLARATION
"I declare that the information provided is true to my knowledge. I am committed to upholding professionalism, ethics, and integrity in my role."

-LOKESH KUMAR