

LAKSHITH S LOKESH

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OBJECTIVE

Data Science postgraduate student with a strong foundation in Python, SQL, machine learning, data analytics, and AI application development. Experienced in building end-to-end projects involving predictive modeling, data visualization, intelligent analytics, and AI-powered web applications. Hands-on experience with Scikit-learn, Pandas, FastAPI, Flask, Streamlit, PostgreSQL, LangChain, and LangGraph. Passionate about applying data-driven and AI solutions to real-world problems and continuously expanding expertise in Data Science and Machine Learning.

PROJECTS

AI SMART TRAVEL PLANNER

NEXT.JS · REACT · TYPESCRIPT · FASTAPI · PYTHON · POSTGRESQL · LANGGRAPH · LANGCHAIN · OPENAI

- Developed a full-stack AI-powered travel planning platform that generates personalized itineraries using a multi-agent architecture.
- Built specialized AI agents for flights, hotels, activities, weather, restaurants, transportation, budgeting, and itinerary generation.
- Implemented JWT authentication, saved trips, PostgreSQL persistence, pdf export, itinerary sharing, external API integrations, docker, and automated testing.

AUTOINSIGHT – INTELLIGENT DATASET ANALYZER

PYTHON · STREAMLIT · PANDAS · PLOTLY · SCIKIT-LEARN · REPORTLAB

- Built an intelligent exploratory data analysis platform that automatically profiles uploaded datasets and generates interactive visualizations and data-quality insights.
- Implemented missing-value analysis, duplicate detection, outlier detection, correlation analysis, ml-readiness assessment, algorithm recommendations, and automated pdf report generation.

AI CAREER RECOMMENDATION SYSTEM

PYTHON · SCIKIT-LEARN · STREAMLIT · SHAP · GROQ API

- Developed a machine-learning application that recommends career paths based on users' skills and interests.
- Integrated explainable AI using SHAP and AI-generated explanations to provide interpretable recommendations and identify missing skills.

JOB MARKET ANALYTICS PORTAL

PYTHON · FLASK · POSTGRESQL · SQLALCHEMY · NLP · DATA VISUALIZATION

- Developed a data analytics platform for exploring job-market trends, skills, and employment data using PostgreSQL-backed analytics.
- Implemented job search and filtering, interactive analytics dashboards, skill-gap analysis, NLP-based insights, and data visualizations.

EDUCATION

Chanakya University, Bengaluru

Master of Science (M.Sc.) in Data Science | 2026 – 2028

Currently Pursuing

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, Java, C++
 - **Data Science & Machine Learning:** Pandas, NumPy, Scikit-learn, Matplotlib, SHAP
 - **AI & LLM Technologies:** Lang Chain, Lang Graph, OpenAI API
 - **Web Development:** Fast API, Flask, Stream lit, Next.js, React, TypeScript, HTML, CSS
 - **Databases:** PostgreSQL, SQLite
 - **Data Visualization & BI:** Plotly, Power BI, Tableau
 - **Big Data:** Apache Spark, PySpark
 - **Tools & Technologies:** Git, GitHub, Docker, Jupyter Notebook
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CERTIFICATIONS

- Coursera: SQL Problem Solving, Statistics Foundations, Introduction to TCP/IP, Oracle SQL Proficiency.
- Infosys Springboard: C, C++ Fundamentals, Data Structures