

Jay Likhar

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PROFESSIONAL SUMMARY

Computer Science Engineering student with strong hands-on experience in data analytics, machine learning, and full-stack application development. Proven ability to perform exploratory data analysis, build ML-driven dashboards, and translate complex analytical outputs into business-ready insights. Proficient in Python, SQL, and modern frameworks, with a consulting-oriented mindset focused on data-driven decision-making, process optimization, and stakeholder impact. Seeking entry-level roles in analytics, consulting, or technology where problem-solving and analytical skills can drive measurable outcomes.

EXPERIENCE

- Unified Mentor Private Limited** Jan 2026 – Present
Full Stack Web Development Intern (Remote)
- Developed and deployed multiple full-stack web applications using Python, Flask, React, and MongoDB in an agile environment.
 - Designed and implemented scalable REST APIs with secure authentication and optimized database queries, improving application response time by approximately 20%.
 - Built interactive data dashboards using Streamlit to analyze structured datasets and support insight generation.
 - Collaborated on deployment workflows using CI/CD practices to ensure stable, production-ready releases.

PROJECTS

- Advanced Amazon Customer Segmentation** [Live App](#)
Python, SQL, Scikit-learn, Streamlit
- Performed exploratory data analysis on customer demographics and purchasing behavior to identify meaningful patterns and trends.
 - Engineered behavioral features including recency, tenure, spending patterns, and online/offline engagement metrics.
 - Implemented K-Means clustering with feature normalization to segment customers into distinct behavioral groups.
 - Developed cluster-wise comparison tables and visual analytics to benchmark individual customers against segment averages.
 - **Translated analytical findings into business-ready insights and marketing recommendations to support data-driven decision-making.**

- Smart Study Scheduler** [Live App](#)
React, Flask, MongoDB, Scikit-learn
- Designed and developed a full-stack study planning platform with secure JWT-based authentication and protected APIs.
 - Utilized machine learning-based scheduling logic to analyze user behavior patterns and optimize study plans.
 - Improved task adherence and study efficiency by approximately 25–30% through predictive scheduling logic.

- Accessibility Analyzer** [Live App](#)
FastAPI, WCAG 2.0, Machine Learning
- Developed a web-based accessibility evaluation tool aligned with WCAG 2.0 compliance standards.
 - Applied rule-based and machine learning-assisted techniques to generate severity-weighted accessibility scores.
 - Provided actionable insights to support inclusive design and accessibility improvement initiatives.

CERTIFICATIONS

Deloitte Australia Technology Job Simulation

Forage

January 2026

- Completed a virtual job simulation involving software development, problem-solving, and analytical tasks.
- Prepared a structured proposal for designing and delivering a business analytics dashboard aligned with stakeholder requirements.
- Certificate: [View Certificate](#).

SQL (Intermediate)

HackerRank

Nov 2025

- Demonstrated proficiency in complex SQL queries including joins, subqueries, aggregations, and window functions.
- Utilized SQL for data extraction, transformation, and analytical reporting on structured datasets.
- Certificate: [View Certificate](#).

Python (Basic)

HackerRank

Dec 2024

- Validated core Python programming skills including control flow, data structures, functions, and file handling.
- Utilized Python for data processing, exploratory analysis, and automation tasks.
- Certificate: [View Certificate](#).

EDUCATION

Parul University

Bachelor of Technology in Computer Science & Engineering

2022 – 2026

Vadodara, India

- **CGPA:** 7.71
- Relevant Coursework: Data Structures, Algorithms, DBMS, Machine Learning, Data Analytics

SKILLS

Programming: Python, SQL, C++

Data Analytics & ML: Exploratory Data Analysis, Feature Engineering, Regression, Clustering, Model Evaluation

Frameworks & Tools: Flask, FastAPI, MongoDB, Streamlit, Power BI, Tableau