

Kajal Kumari

+91 6206134809 | kajal13march05@gmail.com | GitHub | linkedin | leetcode

Summary

Aspiring Data Scientist and Machine Learning Engineer with strong knowledge of Machine Learning, Deep Learning, Generative AI, Natural Language Processing, and Data Analytics. Skilled in building predictive models, performing data analysis, and developing AI-powered applications. Strong foundation in Data Structures, Algorithms, Statistics, and problem-solving.

Education

Rungta College of Engineering and Technology

B.Tech in Computer Science (Artificial Intelligence) — CGPA: 7.0

2023 – Present

Bhilai, Chhattisgarh

Relevant Coursework

Machine Learning • Deep Learning • Artificial Intelligence • Data Structures and Algorithms • Database Management Systems • Operating Systems • Probability and Statistics

Technical Skills

Programming Languages: Python, SQL

Machine Learning: Supervised Learning, Unsupervised Learning, Feature Engineering, Model Evaluation, Scikit-learn

Deep Learning: TensorFlow, Keras, CNN, RNN, Neural Networks

Generative AI: LLMs, Prompt Engineering, LangChain, RAG, Vector Databases, AI Agents

Data Science: Pandas, NumPy, Matplotlib, Seaborn, EDA, Statistical Analysis

Deployment & Tools: Flask, Git, GitHub, Jupyter Notebook, Google Colab, VS Code, Power BI

Databases: SQL, MySQL

Core Subjects: Data Structures and Algorithms, OOP, DBMS, Operating Systems, Computer Networks, Probability and Statistics

Projects

Heart Disease Prediction System

Python, Scikit-learn, Machine Learning

GitHub

- Developed a machine learning model for heart disease prediction using healthcare datasets.
- Performed data preprocessing, feature engineering, and exploratory data analysis on medical records.
- Implemented classification algorithms and evaluated models using accuracy, confusion matrix, and performance metrics.
- Built a predictive system to support early disease detection and healthcare decision-making.

Financial Market Sentiment Analysis

Python, Pandas, NumPy, Machine Learning

GitHub

- Analyzed financial market data to identify trends and sentiment patterns.
- Performed data cleaning, exploratory data analysis, and statistical analysis using Python libraries.
- Developed visualizations and predictive insights to support market analysis.
- Applied machine learning techniques to understand price movement patterns.

International Rural Water Supply System

Python, Data Analysis, Machine Learning

GitHub

- Developed a data-driven solution to analyze and improve rural water supply management systems.
- Applied data analysis techniques to study water distribution and resource utilization patterns.
- Generated insights to support sustainable water management and decision-making.
- Worked on real-world datasets related to rural infrastructure and water supply challenges.

Certificates

Data Science and Machine Learning Certification

Artificial Intelligence Certification

Microsoft Learn Student Ambassadors Certificate

Decode Python with DSA Certification

Blockchain Developer Training Certification

Achievements

- Solved 100+ coding problems on LeetCode and coding platforms.
- Developed multiple Machine Learning, Deep Learning, and Generative AI projects.
- Participated in AI, Data Science, coding competitions, and technical workshops.
- Applied predictive analytics and NLP techniques on real-world datasets.

Positions of Responsibility

- Active participant in technical events, AI workshops, and hackathons.
- Collaborated effectively in team-based AI and data science projects.

Soft Skills

Communication • Problem Solving • Teamwork • Leadership • Adaptability