Rohit Kumar

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SKILLS

- **Languages:** Python, Scala, SQL, JAVA
- **Frameworks:** HTML, CSS, Spark (PySpark, Scala)
- **Tools/Platforms:** Tableau, Hadoop, Spark Shell
- **Soft Skills:** Team Player, Project Management, Adaptability

TRAINING

hitbullseye - Trainee – Data Structures and Algorithms with C++   *February 2023*

Focused on strengthening Data Structures and Algorithms using C++, developing solid problem-solving abilities and efficient coding practices. Gained hands-on experience with fundamental concepts such as arrays, linked lists, stacks, queues, and various sorting and searching techniques. Improved overall algorithmic thinking through consistent coding practice, challenges, and mock assessments.

PROJECTS

Aspect-Based Sentiment Analysis Model: *November 2025*

Objective: To develop an advanced ABSA system capable of identifying aspect terms and their corresponding sentiments with high precision by integrating syntactic dependency information into transformer attention.

Description: Developed K-Tran, a syntax-aware transformer extending RoBERTa with SpaCy-based dependency attention. Implemented joint ATE and Sentiment Classification, applied domain-specific preprocessing on SemEval-2014, and deployed a Gradio interface for real-time evaluation.

Outcome: Demonstrated improved multi-aspect sentiment understanding and more accurate sentiment classification by effectively leveraging syntactic and contextual relationships within text.

Energy Consumption Analysis Using Linear Regression: *September 2025*

Objective: To analyze and predict energy consumption patterns for improved resource planning and efficiency.

Description: Built a linear regression model to identify key factors influencing energy usage and forecast future consumption trends using historical data.

Outcome: Provided data-driven insights that enabled better energy planning and highlighted variables with significant impact on consumption.

Tech Stack: Tableau Prep, Tableau, CMD, Pyspark, Matplotlib.

Online Groceries Website: *February 2023*

Objective: To create a basic and user-friendly online grocery website for browsing products and managing essential shopping interactions.

Description: Created an online grocery website using HTML, CSS, and JavaScript with product listings, basic search, and a client-side cart.

Outcome: Delivered a responsive website showcasing core front-end development skills.

Tech Stack: HTML, CSS, JavaScript

CERTIFICATES

- **Oracle Cloud Infrastructure 2025 Certified Data Science Professional**   *October 2025*
  Developed expertise in OCI data science, ML workflows, model deployment, and cloud analytics.
- **Software Testing and Automation Specialization**   *September 2025*
  Developed skills in manual and automated testing, test case design, debugging, and QA practices for reliable software systems.
- **Cloud Computing – NPTEL (National Programme on Technology Enhanced Learning)**   *March 2025*
  I acquired knowledge in cloud services, deployment models, cloud architecture, and security.

ACHIEVMENTS

- Led food wastage management initiatives at the ground level with NGO SABAL, contributing to efficient food distribution and reduction efforts.   *July 2023*
- Organized and participated in a blood donation camp, promoting community health and social responsibility.   *July 2023*

EDUCATION

- **Lovely Professional University**   *Punjab, India*
  Bachelor of Technology - Computer Science and Engineering, CGPA: 7.59   *Since August 2022*
- **ABR Foundation School**   *Sasaram, Bihar*
  Intermediate   *2020-2022*
- **ABR Foundation School**   *Sasaram, Bihar*
  Matriculation   *2020*