

RITIK SHARMA

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OBJECTIVE

Passionate Machine Learning Engineer eager to apply my skills in algorithms, data analysis, and machine learning to contribute to innovative projects. Seeking an entry-level position to grow and thrive in a collaborative team environment.

EDUCATION

Master of Computer Applications (MCA)

University of Petroleum and Energy Studies (UPES), Dehradun

Expected: 2026

Relevant coursework: Data Processing, Regression, Classification, Loss Functions, Optimization, DBMS, Deep Learning, Operating Systems, Java, Python

Bachelor of Computer Applications (BCA)

Chaudhary Charan Singh (CCS) University, Meerut

2020 - 2023

Relevant coursework: C Programming, Computer Architecture, Statistics, Computer Graphics, Computer Networks

TECHNICAL SKILLS

- **Languages & Technologies:** C, Python, Java, Kotlin, SQL, TensorFlow, Android Studio
- **Tools & Frameworks:** Machine Learning, Deep Learning, RNN, Data Processing, DBMS
- **Soft Skills:** Communication, Team Collaboration, Time Management, Adaptability

PROJECTS

- **Stock Price Prediction:** Developed a stock price prediction model using Huber Loss to optimize model accuracy, enabling more robust predictions in volatile markets.
- **Library Management System:** Developed a comprehensive Library Management System in Java for efficient book inventory management, member registrations, and transaction tracking.
- **Handwriting Replication Model:** Created a machine learning model to replicate a person's handwriting, leveraging RNNs, in a hackathon environment.

- **Expense Tracker:** Developed an expense tracker application using Python that helps users manage their finances by tracking daily expenses and generating insights through visualization.
- **CSV Data Visualizer:** Designed a Python-based CSV data visualizer that allows users to upload CSV files and automatically generate various visualizations (e.g., bar charts, line graphs) to analyse the data more effectively.

EXTRA-CURRICULAR ACTIVITIES

- **Active Participant in Hackathons & Coding Competitions**
 - **National Hackathon 1:**
Project: Handwritten Replication Model using RNN
Developed a model using Recurrent Neural Networks (RNN) to replicate handwritten text, demonstrating strong understanding of deep learning.
Technologies Used: Python, TensorFlow, RNN
 - **National Hackathon 2 (Shivalik College, Dehradun):**
Project: Hostel Management App
Designed and developed a hostel management application to streamline room allotment, maintenance requests, and student tracking.
Technologies Used: Kotlin, Android Studio
- **Martial Arts:** Participated for several years, developing discipline, perseverance, and physical fitness.
- **Active Member:** ACM (Association for Computing Machinery) and CSI (Computer Society of India), engaging in technical discussions and collaborative projects.

CERTIFICATIONS

- **Developing SQL Databases – Oracle**
Completed a certification focused on SQL database design, querying, and optimization techniques.
- **Introduction to Linux – Greater Learning Platform**
Gained foundational knowledge of the Linux operating system, command-line usage, and system administration.
- **Elements of AI – Reaktor**
Acquired skills in the basics of Artificial Intelligence, including machine learning concepts and AI problem-solving techniques.
- **Face Recognition Application – GUVI Geek Networks, IITM Research Park**
Developed a face recognition application, gaining hands-on experience in computer vision techniques and facial recognition algorithms.