SHIVAY MEHRA

📞 +91-9667102405 | 📧 shivaaymehra@yahoo.com | 🔗 LinkedIn | 💻 GitHub Profile

EDUCATION

IIT Roorkee **Sep 2024 – Sep 2025**
Executive Post Graduate in AI and Data Science

D.R. Akhilesh Das Gupta Institute Of Professional Studies **(CGPA-8.0)**
Bachelor of Technology in Artificial Intelligence And Data Science

Birla Vidya Niketan **2007 – 2021**

TECHNICAL KNOWLEDGE

Data Analysis Tools: Power BI, Tableau, Advanced Excel

Programming Languages: Python, SQL, MongoDB

Data Management Tools: HubSpot, ZoomInfo, CRM

Web Scraping & Automation: Selenium, BeautifulSoup

Machine Learning & AI: Regression, Classification, LSTM, CNN

Soft Skills: Streamlined Reporting, Collaboration, Flexibility, Teamwork

PROFESSIONAL EXPERIENCE

Spyne.Ai, Gurugram **Oct 2024 – July 2025**
Data Analyst Intern

- Enhanced company and contact data quality by leveraging HubSpot and ZoomInfo, optimizing outreach efforts and improving accuracy by 30%.
- Automated web scraping workflows using Selenium and BeautifulSoup to boost data collection efficiency by 25%, streamlining operations.
- Designed advanced analysis pipelines to identify key trends, enabling actionable insights and boosting marketing ROI by 20%.
- Collaborated with cross-functional teams to optimize lead management workflows, reducing processing time by 15% through strategic data integration.
- Developed interactive dashboards and comprehensive visual reports using Power BI and Excel, enhancing stakeholder decision-making through key campaign insights.

Diginique Techlabs, IIT Roorkee **June 2024 – Aug 2024**
Data Science Intern

- Built a data-driven movie recommender utilizing Python, pandas, numpy, and sklearn with 85% accuracy.
- Engineered an advanced movie recommendation system using KNN algorithms, leading to a significant enhancement in user preference analysis that resulted in 85% accuracy and increased engagement metrics by over 40%.
- Achieved proficiency in developing predictive models through hands-on experience during the Data Science internship, contributing directly to enhancing model accuracy by analyzing over 1,000 user preferences within dataset constraints.
- Analyzed data trends to present actionable insights, ultimately improving model performance by 30% through innovative applications of KNN techniques tailored specifically for user preference analysis and recommendations.

PROJECTS

- **Stock Market Price Prediction**

Created a machine learning-based stock price prediction model with 75% accuracy, aiding informed trading decisions.

Technologies Used: Python, LSTM (Long Short-Term Memory), Keras

Implemented an LSTM model to predict stock prices, achieving 75% accuracy. Optimized performance using technical indicators.

Result: **Improved decision-making with real-time dashboard integration.**

• Movie Recommendation System (Streamlit)

Implemented a tailored movie recommendation platform with a user feedback loop.

Technologies Used: Python (pandas, numpy, sklearn), Streamlit, React.js

Engineered a personalized movie recommendation engine leveraging Streamlit and integrated React.js to enhance interactivity, incorporating user feedback loops that resulted in 30% increased engagement from active users through continuous improvement.

Result: **Achieved 30% more user engagement with continuous feedback.**

• AI-Based Object Detection & Background Removal

Developed a deep learning model to detect key objects in images and remove backgrounds for e-commerce automation.

Technologies Used: Python, YOLOv5, OpenCV, CNN

Built a YOLO-based detection unit to identify primary subjects in product images and applied CNN-based enhancement techniques.

Result: **Reduced manual editing time by 60%, leading to faster content delivery and improved visual quality.**

CERTIFICATIONS AND WORKSHOPS

- 2-Day Online Workshop in Data Science, IIT Kharagpur
- 2-Day Offline Workshop in AI and ML, IIT Roorkee (09/21/24 - 09/22/24)
- 2-Day Offline Workshop in AI, ML and Deep Learning, IIT Delhi (10/19/24 - 10/20/24)
- Training Visit in Data Science, UnCodemy (03/2024)