Mannat Kaur Bhatia

+91 6239740627 | mannatkaurbhatia01@gmail.com | Linkedin | Website

EDUCATION

Thapar Institute of Engineering and Technology

Patiala, INDIA

Bachelor of Engineering in Electronics and Computer Engineering, CGPA: 7.95

Sep. 2020 - Jun 2024

Experience

Data Science Intern

(July 2024 – Present)

Gurugram, INDIA

BluSmart Mobility

- Understand and manage databases and datasets to ensure data integrity and accessibility.
- Create insightful dashboards on QuickSight to visualize data and plan optimization steps accordingly.
- Work to solve real-world cab problems and situations, and set up alerts for data collection and monitoring.

Database Adminstrator Intern

(Jan 2024 – June 2024)

BluSmart Mobility

Gurugram, INDIA

- Deployed, configured and managed multiple MySQL and MongoDB instances on AWS servers, ensuring optimal performance and scalability across multi-regions.
- Designed and optimized SQL and NoSQL queries to enhance database performance, preventing system crashes and ensuring efficient data retrieval.
- Implemented backup and recovery strategies for databases and infrastructure resources, reducing data loss risk by 50 and collaborated with cross-functional teams to troubleshoot connectivity and user-related issues in cloud and database systems.

SKILLS

Programming Languages: C/C++, Python, SQL, HTML, Scala

Libraries/Frameworks: Pandas, NumPy, Matplotlib, Pytorch, Seaborn, OpenCV, Scikit-learn, NLTK, PySpark

Platform: Windows, Linux

Tools: MS Office, MS Power BI, Tableau, QuickSight, Databricks, Git, GitHub, MongoDB Compass, MySQL

Workbench, PMM, Redash, AWS Cloud

Relevant Coursework: Database Management System , Data Structures Algorithms (DSA), Software Development Life Cycle (SDLC) , Cloud Computing, Operating Systems, Data Science, Machine Learning, NLP, Deep Learning, OOPs

Projects

Face Recognition System | Pandas, Numpy, Python, OpenCV, Machine learning

- * Deployed Computer Vision to detect 1000+ faces in live cameras or video using OpenCV.
- * Utilized system to record attendance in 10+ classes in college premises simultaneously.

Movie Recommendation Model | Pandas, Numpy, Python, Machine learning

- * Developed a machine learning model to recommend movies or TV shows from a database of over 200+ titles based on individual viewing history.
- * Implemented and optimized algorithm to enhance user experience by suggesting personalized content.

Image Sentiment Analysis Model | Pandas, OpenCV, NLP, Pytorch, Python, Git

- * Applied ML techniques for automatic text summarization and sentiment prediction for visual entities in images.
- * Utilized transformers and pretrained models to enhance accuracy, using a dataset containing over 8,000+ images to provide sentiments of captions.

Student Placement Representative | Center for Industrial Liaison & Placement (Aug 2023 - Aug 2024)

- Led the Center of Training and Development Cell, guiding 2000+ final-year students for successful placements.
- Organized workshops with 20+ industry experts, offering insights into market trends and interview preparation.

Finance Secretary | Paryawaran Welfare Society, TIET

(July 2022 - July 2023)

- Led a team of 200 students in organizing entrepreneurship events and developing a monthly budget of 20,000 for the initiatives.
- Executed creative fundraising efforts resulting in 80,000 capital raise to support budding startup initiatives and support local nursuries and environment NGO's.

Executive Committee Member | Thapar Food Festival (TFF)

(May 2022 - Nov 2022)

- Led the organization of North India's largest and most successful annual food festival, attracting over 10,000 attendees to the TIET campus.
- Managed a diverse team of vendors, entertainers, and activity organizers to create a rich and engaging experience for a national audience at a major food festival.