

Ashutosh Kumar

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SKILLS

Languages: C++, Python, C, R

Tools/Platforms: MongoDB, Tableau, ETL, Informatica Developer for Data Quality(IDQ), MS SQL Server

Soft Skills: Problem-Solving, Team Player, Project Management, Adaptability

PROJECTS

Crop Recommendation System | *Python, HTML, ML Predictive Analysis* May' 24

- Preprocessed agricultural datasets using scikit-learn, resolving 100% of missing values and normalizing features, which optimized model performance by 30% and reduced prediction error by 25%.
- Leveraged ML for accurate recommendations based on parameters such as NPK, rainfall, humidity, temperature, and pH; achieved an 85% accuracy rate.
- Created and deployed a web-based application using Flask and integrated HTML, ensuring an intuitive and visually appealing interface, resulting in a user satisfaction score of 90.

Pizza Sales Dashboard | *Tableau Desktop, MS SQL Server* Apr' 24

- Analyzed and improved customer satisfaction and loyalty by 50% visualizing key metrics, understanding popular pizza categories and sizes, enabling targeted marketing strategies and personalized promotions.
- Revamped inventory management system by pinpointing top-selling menu items and accurately forecasting demand, cutting wastage by 30% and maintaining optimal stock levels to meet customer needs.
- Positioned the company for future growth and expansion by leveraging data analytics to identify emerging trends and opportunities in the competitive pizza market, contributing to a 15% increase in market share.

Hotel Management System | *Java, awt, swing, MySQL(JDBC)* Jun' 23

- Developed a robust hotel management system using Java, enabling efficient and digitalized management of hotel resources, reducing manual workload by 40%.
- Transformed management interface to allow effortless coordination of rooms, employees, drivers, and customers; boosted operational efficiency by 50% with a more compliant and user-friendly system.
- Integrated MySQL database with the application for data storage and retrieval, ensuring data integrity and reducing retrieval time by 30%.

TRAINING

Cipher Schools (Edtech Company) Jun' 23 – Jul' 23

Data Science using Python

- Performed Exploratory Data Analysis using NumPy and Pandas, leading to a 20% reduction in data preprocessing time.
- Developed, trained, and evaluated various Machine Learning models, including Linear Regression, KNN, SVM, Decision Trees, K-Means, and Ensemble Methods using Scikit-learn, achieving an average accuracy improvement of 15%.
- Employed feature engineering techniques to enhance model performance by 25% for predictive analysis.

CERTIFICATES

Data Visualization with Tableau | *Coursera* May' 24

Data Engineering Professional Certification | *Altair Inc. RapidMiner* Apr' 24

Python | *HackerRank* Mar' 23

SQL | *HackerRank* Mar' 23

EDUCATION

Lovely Professional University

Bachelor of Technology

Computer Science and Engineering; CGPA: 8.64

Phagwara, Punjab

Aug' 21 – Present

TATA D.A.V School

Intermediate

PCM; Percentage: 86%

Dhanbad, Jharkhand

Mar' 20 – May' 21

TATA D.A.V School

Matriculation

Percentage: 89.2%

Dhanbad, Jharkhand

Mar' 18 – May' 19