

# 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 one 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

Phagwara, Punjab

Bachelor of Technology

Aug' 21 – Present

Computer Science and Engineering; CGPA: 8.64

### TATA D.A.V School

Dhanbad, Jharkhand

Intermediate

Mar' 20 – May' 21

PCM; Percentage: 86%

### TATA D.A.V School

Dhanbad, Jharkhand

Matriculation

Mar' 18 – May' 19

Percentage: 89.2%