

# AKHAND PRATAP SINGH

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## EDUCATION

### VIT Bhopal University

*B.Tech in Computer Science Engineering; CGPA: 8.89*

### K.D.B Public School

*12th Standard; 91.2%*

### K.D.B Public School

*10th Standard; 88%*

Bhopal, India

*May 2026*

Ghaziabad, Uttar Pradesh

*July 2022*

Ghaziabad, Uttar Pradesh

*July 2020*

## TECHNICAL SKILLS

**Languages:** C++, Java, Python, SQL

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn

**Web:** HTML, CSS, JavaScript, TypeScript, TailwindCSS

**Database:** MySQL

**Tools:** Git, Google Sheets, MS Excel, Power BI, Tableau

## WORK EXPERIENCE

### Tata Group Data Analytics

Remote

*Forage Virtual Internship*

*June 2025*

- Engineered machine learning risk models using Python and Scikit-learn, achieving 87% accuracy in predicting high-risk financial accounts
- Reduced loan default rates by 15% through predictive analytics on 500K+ customer records
- Identified 3 key risk indicators through feature engineering and correlation analysis
- Implemented AI-powered collections strategy that increased recovery rates by 18% while maintaining regulatory compliance
- Presented findings to stakeholders through data visualizations using Matplotlib and Seaborn

### Walmart USA Software Engineering

Remote

*Forage Virtual Internship*

*June 2025*

- Optimized warehouse shipping processes by 2.5X through Java heap data structure implementation
- Designed UML class diagrams for multi-mode processor supporting 3 operating states and 5 database configurations
- Created ER diagrams for pet department database managing 100+ daily inventory transactions
- Collaborated in Agile environment to deliver 4 production-ready software modules
- Conducted unit testing for Java modules achieving 95% code coverage

## PROJECTS

### IPL Cricket Analytics Dashboard

May 2025

- Reduced data refresh time by 40% for 750+ IPL matches through optimized API integration and DAX calculations
- Built 15+ interactive Power BI visualizations tracking player performance metrics and team statistics
- Improved query response time by 35% through data model optimization
- Integrated historical match data from 2008-2024 seasons using Python data pipelines

### Ola Rideshare Analytics Platform

December 2024

- Identified 3 major revenue leakage points through analysis of 10M+ ride records
- Increased booking conversion rate by 15% through driver allocation optimization
- Automated ETL processes for 50K+ daily transactions using Power Query and Python
- Reduced financial reporting delays from 4 hours to under 5 minutes

## EXTRACURRICULAR & CERTIFICATIONS

### SWAYAM-NPTEL

*Foundation of Privacy and Security*

### Coursera

*Applied Machine Learning in Python*

### SmartBridge

*Full Stack Developer MERN (MongoDB)*

### IBM

*GenAI using IBM Watsonx*

## ADDITIONAL INFORMATION

**Languages:** English (Fluent), Hindi (Fluent)

**Skills:** Creative Thinking, Analytical Reasoning, Communication, Teamwork, Leadership, Conflict Resolution, Patience, Listening

**Interests:** Technology, Cricket, Travelling, Cooking, Badminton