

# PRANCHAL KATIYAR

Full Stack Developer | Data Analyst | Python Programmer

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## PROFESSIONAL SUMMARY

**Results-driven B.Tech IT student** with expertise in **full-stack development, data analytics, and Python programming**. Proven track record of developing **scalable web applications**, implementing **machine learning models** with **85% accuracy**, and leading **cross-functional teams** of 50+ members. Proficient in **MERN stack, cloud technologies (AWS), and data visualization tools (Tableau, Power BI)**. Seeking to leverage **analytical thinking and technical expertise** in **Full Stack Developer or Data Analyst** roles at leading MNCs.

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, SQL, HTML5, CSS3, Java

**Frontend Development:** React.js, Angular, Vue.js, HTML5, CSS3, Bootstrap, Responsive Design

**Backend Development:** Node.js, Express.js, Django, Flask, REST APIs, GraphQL

**Databases:** MySQL, PostgreSQL, MongoDB, NoSQL, Database Design, Query Optimization

**Cloud & DevOps:** AWS (EC2, S3, Lambda), Google Cloud Platform, Docker, CI/CD Pipelines

**Data Analytics:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Statistical Analysis

**Business Intelligence:** Power BI, Tableau, Google Analytics, Data Visualization, ETL

**Version Control:** Git, GitHub, GitLab, Bitbucket

**Development Tools:** VS Code, Jupyter Notebook, PyCharm, Postman, Jira

## EDUCATION

**Bachelor of Technology (B.Tech) - Information Technology**

Ajay Kumar Garg Engineering College | Dr. A.P.J. Abdul Kalam Technical University (AKTU)

**Graduation:** June 2026

**Relevant Coursework:** Data Structures & Algorithms, Database Management Systems, Software Engineering, Web Development, Machine Learning, Cloud Computing

## PROFESSIONAL PROJECTS

### Full-Stack E-Commerce Platform

*Technologies: MERN Stack (MongoDB, Express.js, React.js, Node.js), AWS*

- Developed **responsive e-commerce application** with user authentication, payment integration, and inventory management
- Implemented **RESTful APIs** for seamless frontend-backend communication, reducing load time by **40%**

- Integrated **AWS S3** for image storage and **MongoDB** for scalable database architecture
- Deployed using **AWS EC2** with automated CI/CD pipeline, ensuring **99.9% uptime**

## Student Performance Prediction System

*Technologies: Python, Scikit-learn, Pandas, Flask, SQL*

- Built **machine learning model** using **logistic regression** achieving **85% prediction accuracy**
- Designed **interactive web interface** using Flask for real-time performance predictions
- Processed and analyzed **5000+ student records** using **Python** and **SQL** queries
- Created **data visualizations** with Matplotlib and Seaborn for stakeholder presentations

## Real-Time Sales Analytics Dashboard

*Technologies: Power BI, SQL, Python, Excel*

- Developed **comprehensive sales dashboard** displaying **15+ KPIs** for retail business analysis
- Implemented **advanced SQL queries** with joins, subqueries for revenue and churn analysis
- Integrated **real-time data pipelines** using Python ETL scripts, improving data accuracy by **30%**
- Created **interactive visualizations** with drill-down capabilities, reducing report generation time by **50%**

## Movie Recommendation Web App

*Technologies: Python, React.js, Flask, Pandas, Machine Learning*

- Built **full-stack recommendation system** using collaborative filtering algorithms
- Performed **exploratory data analysis** on **10,000+ IMDB movie records** using Pandas
- Designed **responsive frontend** with React.js and implemented **REST API** using Flask
- Deployed on **AWS** with load balancing, handling **100+ concurrent users**

## LEADERSHIP & PROFESSIONAL EXPERIENCE

### Coordinator | Renaissance AKGEC

*January 2023 - Present*

- Led cross-functional team of **50+ students** in organizing **10+ college events** with **2000+ participants**

- **Managed project budgets** exceeding ₹5 lakhs and coordinated with **multiple stakeholders**
- **Implemented agile methodologies** for event planning, reducing preparation time by 25%
- **Mentored junior team members** in leadership development and project management

#### Volunteer | NayePankh Foundation

December 2022 - Present

- Contributed to **data-driven social initiatives** supporting **500+ underprivileged individuals**
- Developed **data collection systems** to track program effectiveness and impact metrics
- **Collaborated with government officials** and NGO partners for strategic partnerships

## CERTIFICATIONS

- Google Data Analytics Professional Certificate** - Coursera (2024)
- Python for Data Science** - IBM/Udemy (2024)
- SQL for Data Analysts** - DataCamp (2024)
- Microsoft Power BI Essentials** - Great Learning (2024)
- AWS Cloud Fundamentals** - In Progress (2025)
- JavaScript ES6+ and React.js** - Udemy (2024)

## KEY ACHIEVEMENTS

- 💡 **85% accuracy** achieved in machine learning model for student performance prediction
- 📊 **30% improvement** in data accuracy through automated ETL pipeline implementation
- ⚡ **40% reduction** in application load time through optimized full-stack architecture
- 👥 **Successfully managed** teams of 50+ members with zero project delays
- 💻 **Processed 15,000+ records** across multiple data analytics projects
- ⌚ **99.9% uptime** maintained for deployed full-stack applications on AWS

## ADDITIONAL INFORMATION

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

**Availability:** Immediate for Internships and Full-time Opportunities

**Core Competencies:** Agile Development, Problem Solving, Cross-functional Collaboration, Data-Driven Decision Making, Technical Documentation, Code Review, Performance Optimization