

# UMANG RAJ

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## EDUCATION

**Bharati Vidyapeeth College of Engineering (9.06 CGPA)**

Bachelor of Technology in Information Technology

Novemeber 2020 - July 2024

*Pune, Maharashtra*

## EXPERIENCE

**Husk Power System**

Data Analyst Trainee

September 2024 - March 2025

*Pune, Maharashtra*

- Improved data workflows and dashboards to optimize user engagement metrics, achieving 25% faster data processing and 30% quicker query execution.
- Leveraged SQL, Python & Tableau to enhance reporting and predictive analytics, increasing efficiency by 35%.
- Created interactive data visualizations (e.g., Business Intelligence trends) using Python libraries like Matplotlib and Seaborn to make insights accessible for stakeholders.

## PROJECTS

**Sales Insights Dashboard** | *Power BI, SQL, Excel*

[\(Link\)](#)

- Developed an interactive **sales performance dashboard** to visualize key metrics like sales growth, influential markets and declining trends.
- Integrated Power BI with SQL queries to process datasets with over **10,000 records**, providing actionable insights for decision-making.
- Automated weekly reporting, reducing manual effort by 40% and improving data accuracy for the sales team.

**Customer Churn Prediction** | *Python, Machine Learning, Pandas, Matplotlib*

[\(Link\)](#)

- Designed a machine learning model to predict customer churn with **82% accuracy**, enabling targeted retention strategies.
- Analyzed customer behavior by preprocessing a dataset of **5000+ customer records** using Pandas and NumPy.
- Created visualizations with Matplotlib to showcase churn patterns based on features like demographics and usage frequency.
- Collaborated with a small team to deploy the model, reducing churn by 10% within the pilot test group.

**T20 League Score Analysis** | *Python, Machine Learning*

[\(Link\)](#)

- Devised a model for IPL score forecasting, leveraging deep learning to provide real-time T20-Match predictions.
- Processed a dataset with over **5000** match records and **200,000+** data points on player and match details.
- Achieved **87% prediction accuracy** for first-inning score forecasts & reduced prediction time per query to under **0.5 seconds** for live match inputs.

## COURSEWORK/TECHNICAL SKILLS

Languages	Python, C++
Web Technology	ReactJS, HTML, CSS
Database	MySQL
Version Control	Git, GitHub
Other	Power BI, MSExcel, Machine Learning, AWS, Computer Networks, Cloud Technologies

## CERTIFICATES

[The Complete Python Pro Bootcamp](#) - UDEMY

[Complete SQL bootcamp](#) - UDEMY

[Complete Web Development bootcamp](#) - UDEMY (Dr. Angela Yu)