

# Ayush Chaubey

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## ABOUT ME

I am a Data Analyst with a Bachelor's degree in Computer Science and 7 month of part-time experience in data analysis, visualization, and reporting. I have expertise in Python, Excel, Tableau, and SQL, with a strong foundation in data cleaning, statistical analysis, and predictive modeling. I am skilled at transforming complex data into actionable insights to support business decisions.

## WORK EXPERIENCE

**Jobclassify – Mumbai, India**

**City:** Mumbai | **Country:** India

**Data analyst(part-time)**

[ 10/08/2024 – 24/02/2025 ]

1. Processed candidate and job data,providing key insights to improve the job matching process and support decision-making.
2. Improved candidate-job matching accuracy by 30% by analyzing large datasets and implementing machine learning algorithms to identify patterns and correlations.
3. Developed interactive dashboards using Excel and Power BI, streamlining the reporting process and reducing manual reporting time by 40%.
4. Collaborated with cross-functional teams (HR, recruitment, and sales) to define data requirements and deliver actionable solutions, impacting 5+ departments within the organization.
5. Automated candidate screening by building predictive models, reducing manual review time by 200 hours per month.

## EDUCATION AND TRAINING

**Bachelor of Engineering (B.E) in Computer Engineering**

**Shree L.R. Tiwari College of Engineering** [ 10/10/2021 – 23/06/2025 ]

**City:** Mumbai | **Country:** India | **Website:** <https://slrtce.in/> | **Level in EQF:** EQF level 6

**Higher Secondary Education(computer science)**

**Adarsh Education Society** [ 10/06/2019 – 15/08/2021 ]

**City:** Mumbai | **Country:** India | **Website:** <https://www.adarsh-educationsociety.com/Homepage.aspx> | **Level in EQF:** EQF level 6

## SKILLS

Pandas / Numpy / Deep Learning / Tensorflow / Keras / Java / NLP / Python / Git / Seaborn / SQL / Matplotlib / Jupyter Notebook / OpenCV / Machine Learning / PyTorch / Data Visualization / Artificial Intelligence

PUBLICATIONS

[2025]

**Foresight Realty: A Comprehensive AI-Powered Framework for Real Estate Investment Analysis**

Researched the integration of Artificial Intelligence (AI) in the real estate investment industry to enhance decision-making and operational efficiency. Focused on how AI, through machine learning and predictive analytics, enables data-driven strategies that outperform traditional experience-based methods. Studied the use of big data analysis to identify patterns, forecast market trends, and uncover hidden investment opportunities. Explored ForeSight Realty’s application of AI in streamlining processes such as property valuation, lease management, tenant tracking, and sentiment analysis via social media and news monitoring. Emphasized AI's role in predictive maintenance for minimizing infrastructure repair costs. Concluded that AI significantly improves risk management, optimizes investment strategies, and maximizes profitability in real estate markets

**Volume, Issue and Pages:** vol. 14, no. 1, pp. 44–55 | **Publisher:** International Journal of Electrical, Electronics and Computer System

Areo, Gideon. (2024). “The Impact of Artificial Intelligence and Machine Learning on Real Estate: Current Applications and Future Trends.”

PROJECTS

[ 24/07/2024 – 26/04/2025 ]

**Foresight Reality Predicting Price**

Worked as a Project leader, Built a machine learning model to predict real estate prices based on features like location, size, and amenities. Used regression techniques for price forecasting and deployed the model with Flask for real-time predictions.

[ 10/01/2023 – 15/01/2023 ]

**Movie Recommendation System**

Developed a recommendation system using collaborative filtering and content-based techniques to suggest movies based on user preferences. Implemented the system using Python and libraries like Pandas and Scikit-learn, with data sourced from popular movie databases.

[ 13/02/2024 – 21/02/2024 ]

**Customer Segmentation for E-commerce**

Implemented a machine learning-based customer segmentation model using K-means clustering to categorize customers based on purchasing behavior and demographics. The model helped optimize marketing strategies and personalize customer experiences in an e-commerce platform.ion...

[ 10/05/2024 – 15/05/2024 ]

**Credit Card Fraud Detection**

Developed a machine learning model to detect fraudulent credit card transactions using imbalanced data techniques like SMOTE and Random Forest. The model identified suspicious transactions with high accuracy, reducing fraud risks for financial institutions.

[ 10/09/2024 – 13/09/2024 ]

**Sentiment Analysis on Social Media**

Built a sentiment analysis model to analyze social media posts using NLP techniques like TF-IDF and Logistic Regression. The model classified posts as positive, negative, or neutral, providing insights into public opinion on various topics.

## ON-GOING COURSE

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[ 16/08/2025 – Current ]

### IBM AI Engineering Professional Certificate

A comprehensive, industry-recognized certification program focused on **AI, Machine Learning, and Deep Learning engineering**. The specialization builds expertise in the entire AI development lifecycle, from data preparation and model building to deployment. It provides **hands-on experience with Python, scikit-learn, TensorFlow, Keras, PyTorch, and IBM Watson tools**, equipping learners with practical skills to design, train, and scale AI solutions.

#### Key focus areas:

- Fundamentals of **Machine Learning (ML)** and supervised/unsupervised learning techniques
- **Deep Learning (DL)** concepts, neural networks, CNNs, RNNs, LSTMs, and GANs
- Model evaluation, optimization, and deployment
- Data science workflows, data preprocessing, and visualization
- **AI engineering practices:** MLOps fundamentals, model serving, and scaling solutions
- Hands-on projects using **real-world datasets** and cloud-based AI tools

Link: <https://www.coursera.org/professional-certificates/ai-engineer>

[ 30/08/2025 – Current ]

### Introduction to Public Speaking

*University of Washington via Coursera*

- Learned **effective communication strategies** for diverse audiences
- Developed skills in **speech structure, delivery, and audience engagement**
- Practiced **persuasive, informative, and special-occasion speaking techniques**
- Focused on **overcoming stage fright, building confidence, and clear articulation**