

ATHARVA CHALIKWAR

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Education

VIT Bhopal University

B.Tech in Computer Science and Engineering (specialization in Gaming Technology)

2022 – 2026

CGPA: 8.85/10

Skills

- **Languages:** Java, Python, SQL
- **Web Technologies:** HTML, JavaScript, CSS
- **Technical Skills:** DSA, Data Analysis, Feature Engineering, Machine Learning, AWS
- **Tools and Libraries:** Tableau, Power BI, Matplotlib, NumPy, Pandas, Seaborn

Projects

Customer Churn Prediction

Jun 2025 – Jul 2025

Python, Streamlit, Machine Learning

- Developed and optimized machine learning models to predict customer churn using multiple classification algorithms.
- Conducted exploratory data analysis and feature engineering on a dataset of 10,000+ customer records to uncover behavior patterns driving churn.
- Assessed model performance using accuracy, precision, recall, and ROC-AUC, achieving a final accuracy of **89.5%**.
- Deployed the model via a Streamlit web application, providing an interactive interface for real-time predictions and actionable visual insights.

Pneumonia Detection Web Application

Feb 2025 – Apr 2025

AI/ML Project

- Implemented a CNN model leveraging the pre-trained VGG16 architecture to classify chest X-ray images with high precision.
- Developed a Flask-based web application enabling users to upload X-ray images and receive instant pneumonia detection results.
- Achieved over 90% classification accuracy on validation data, demonstrating strong diagnostic performance.
- Designed a user-centric interface featuring image upload, prediction visualization, and confidence scoring for clinical usability.

Blinkit Analytics Dashboard

Oct 2024 – Dec 2024

Analytics and Data Visualization Project

- Built an interactive analytics dashboard in Power BI integrating SQL queries and Python scripts
- Enhanced decision-making through automated data pre processing, trend analysis, and visualization.
- Implemented advanced DAX measures and drill-through filters for granular business insights.
- Delivered actionable insights to optimize operations, improving reporting efficiency by 30.

Certifications

- AWS Cloud Certification
- Oracle Data Science Certification
- Ethnus Web Development Certification

Extra-Curricular

AWS Club VIT Bhopal

June 2024 – June 2025

Core Member

- Collaborated with club members to organize hands-on workshops and cloud computing sessions attended by 100+ students.
- Coordinated AWS training programs and awareness drives, promoting cloud literacy across campus.