ATHARVA CHALIKWAR

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Education

VIT Bhopal University   **2022 − 2026**
B.Tech in Computer Science and Engineering (specialization in Gaming Technology)   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   **June 2025 − Jul 2025**
Python, Streamlit, Machine Learning
- Developed a machine learning model to predict customer churn, using multiple classification algorithms.
- Performed exploratory data analysis and feature engineering to identify key customer behavior patterns influencing churn, over a data set of over 10000+ entries.
- Evaluated models using accuracy, precision, recall, and ROC-AUC, achieving a final accuracy score 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 2024**
AI/ML Project
- Built a convolutional neural network (CNN) model using pre-trained VGG16 architecture to classify chest X-ray images.
- Developed a Flask-based web app that allows users to upload X-rays and receive real-time pneumonia detection results.
- Achieved over 90% classification accuracy on validation datasets, demonstrating strong diagnostic potential.
- Designed user-friendly interface for doctors and patients with image upload, prediction display, and confidence scores.

Blinkit Analytics Dashboard   **Dec 2024 − Feb 2025**
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.
- Ethnus – Web Development Certification.
- NPTEL – Foundation Of Cyber-Physical Systems.

Extra-Curriculars

AWS Cloud 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.