Ketan Eknath Pathade

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Education

VIT Bhopal University   **2022 − 2026**
B.Tech in Computer Science and Engineering   CGPA: 8.32

Skills

- **Programming Languages:** C++, Python, MySQL

- **Python Libraries & Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn , Streamlit,Excel

- **Technical Skills:** DSA, Web Development(HTML, CSS, Javascript,Nodejs, MongoDB), Cloud Computing, AI-ML, Data Analytics

- **Tools & Visualization:** Power BI, Tableau, EDA, DAX

Projects

Customer Churn Prediction — Python, Machine Learning, Streamlit   **Apr 2025**
Predictive Modeling Project

- Performed data analysis, cleaning, and feature engineering using pandas and NumPy on telecom customer datasets
- Trained ML models (Logistic Regression, SVM) with scikit-learn, achieving 89.5% prediction accuracy
- Built interactive churn insights visualizations with matplotlib and deployed a scalable model using joblib for persistence
- Developed and deployed a Streamlit web application enabling real-time churn prediction and user-friendly interaction

Pneumonia Detection Web Application — AI-ML Project   **Nov 2024**
Healthcare AI 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 classification accuracy of 90%+ 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 — Power BI, Python, SQL   **Aug 2024**
Analytics and Data Visualization Project

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

Certifications

- AWS Cloud Certification
- Ethnus - MERN Stack Internship Traning Certificate
- NPTEL Elite Certification – Cloud Computing, IIT Kharagpur

Leadership / Achievements

- AWS Cloud Club VIT Bhopal Core Member (2023 - 2024)
- Achieved LeetCode Rating: 1453 with 100+ problems solved
- Dhol Tasha Pathak Lead
- Completed 100 Days of Code on LeetCode, solving 120+ problems in DSA using C++. Shared progress consistently on LinkedIn.