Priyanshu Agnihotri

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EDUCATION

VIT BHOPAL UNIVERSITY   *September 2021 onwards*

Bachelor of Technology , Major in Computer Science & Engineering,

Cumulative GPA: 8.32/10

PROJECTS

H-Art (Heart Disorder Prediction) | *Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn* <u>view</u>

- Cleaned and normalized the dataset using Pandas and NumPy, improving data quality by 25%. Utilized Seaborn and Matplotlib for visualizing feature distributions and correlations, enhancing data understanding by 30%.
- Achieved 85% accuracy with Logistic Regression. Tested K-Nearest Neighbors, Naive Bayes, K-Means, Decision Tree, boosting training efficiency by 40%. Logistic Regression was the top performer; compared models to evaluate strengths and weaknesses, guiding future improvements.

Healthcare (Healthcare Platform with Age and Gender Estimation from Face images) | *Python, MySQL, PHP, HTML/CSS, JavaScript* <u>view</u>

- Developed a healthcare platform using machine learning algorithms to accurately estimate age and gender from face images, enhancing diagnostic efficiency by 40%.
- Integrated a robust backend with MySQL, streamlining data management and reducing database query times by 25%.
- Leveraged Python for machine learning development, achieving high accuracy in predictions and improving system reliability.

Customer Segmentation Analysis | *Python, Jupyter Notebook, Scikit-learn* <u>view</u>

- Developed an advanced customer segmentation model using K-Means clustering to analyze purchasing behavior, enhancing marketing efficiency by 20%.
- Utilized Python for data cleaning, exploration, and visualization, achieving a silhouette score of 0.55 and identifying four distinct customer segments and enhanced targeted marketing strategies by identifying four distinct customer segments.

EXPERIENCE

CodSoft, Kolkata • Machine Learning Developer (INTERN)   *10/2023 – 11/2023*

- Developed a credit card fraud detection system using machine learning algorithms such as Logistic Regression and Random Forest, enhancing security measures for financial transactions.
- Performed customer churn prediction analysis, utilizing Support Vector Machines and Gradient Boosting to identify at-risk customers and improve retention strategies.
- Implemented spam SMS detection using Natural Language Processing (NLP) techniques, including Naive Bayes and Support Vector Machines, to filter out unwanted messages effectively.

Oasis InfoByte, New Delhi • Data Analyst (INTERN)   *06/2024 - 07/2024*

- Analyzed Google Play Store data to understand app market dynamics, employing data cleaning and visualization techniques to derive actionable insights.
- Conducted exploratory data analysis (EDA) on retail sales data, identifying patterns and trends to optimize inventory and marketing strategies for retail clients.
- Led customer segmentation analysis for an e-commerce company, utilizing clustering algorithms to group customers based on behavior and purchase patterns, thereby improving targeted marketing efforts.

SKILLS

Languages: Python, C++, PHP, HTML/CSS, SQL(MySQL)

Technologies: Data Structures & Algorithms, Machine Learning, TensorFlow, Keras , Jupyter, MongoDB, PowerBI

Developer Tools: GitHub, VS Code, Anaconda

ACHIEVEMENTS

- Secured a Leetcode rank under 2,75,000 demonstrating strong problem-solving skills.
- Achieved AIR 310 in the JEE B. ARCH Exam, showcasing exceptional aptitude.
- Attained an institute rank of 434 on GeeksforGeeks, reflecting proficiency in coding and algorithms.

CERTIFICATIONS

- AWS Certified Cloud Practitioner , Amazon MERN Full Stack.
- MERN Full Stack , Ethnus.
- AI Engineering Professional Certificate, IBM

POSITION OF RESPONSIBILITY

- Coordinated Hindi Club development, boosting traffic by 30% and increasing event participation by 25% as PR & Outreach lead.