

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

Automated ML Pipeline Generator for Scalable Cloud Integration (GCP) | Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

- Engineered end-to-end ML pipelines in Python, automating migration for over 15+ models (TensorFlow, XGBoost, Scikit-learn) to Google Cloud Platform.
- Configured and orchestrated training, validation, and deployment across 3+ stages using custom YAML templates and GCP tools like AI Platform and Cloud Storage.
- Streamlined MLOps workflows by creating 10+ reusable cloud-optimized pipeline components, enhancing deployment speed and reproducibility by 30%.

Healthcare (Healthcare Platform with Age and Gender Estimation from Face images) | MySQL, PHP, HTML/CSS, JavaScript

- 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%.
- Utilized Python-driven ML models to ensure robust and precise predictions, enhancing system reliability.

Customer Segmentation Analysis | Python, Jupyter Notebook, Scikit-learn

- Constructed a clustering-based segmentation framework using K-Means to profile purchasing behavior, improving campaign targeting by 20%.
- Performed thorough data preparation and visualization, achieving a silhouette score of 0.55 and identifying four actionable customer segments.

EXPERIENCE

L&T (Larsen & Turbo Limited), Faridabad • Data Science and Analytics Intern

01/2025 – 03/2025

- Designed a Data Analytics Platform using WSO2, MinIO, TimescaleDB, and Dremio to integrate SCADA, maintenance, and financial systems for real-time insights.
- Crafted 15+ interactive dashboards with Grafana, Apache Superset, and Python (Pandas, Matplotlib) for real-time monitoring of 30,000+ assets, improving performance and operational analytics.
- Built ML-based predictive models using MindsDB, scikit-learn, and SQL to forecast equipment failures and optimize maintenance schedules, achieving 85% accuracy in fault prediction.
- Implemented robust data security with RBAC, TLS encryption, and automated audit logs, ensuring 100% compliance with data governance policies.

Oasis InfoByte, New Delhi • Data Analyst Intern

06/2024 - 07/2024

- Analyzed 10K+ Google Play Store entries to extract trends via advanced visualizations.
- Performed EDA on 12-month retail data to support inventory and promo strategies.
- Evaluated 3+ clustering models (e.g., K-Means) for customer segmentation, enabling improved targeting in e-commerce.

SKILLS

Programming Languages: Python, C++, PHP, HTML/CSS, SQL

Frameworks & Tools: TensorFlow, Keras, Jupyter, Power BI, Microsoft Office Suite

Databases & BI Tools: MySQL, SQL Server, MongoDB, Amazon Redshift

Developer Tools: GitHub, VS Code, Anaconda

Development Methodologies: Agile, Waterfall, Scrum, SDLC (Software Development Life Cycle), ETL/ELT Pipelines

Soft Skills: Leadership, Communication, Team Collaboration, Stakeholder Management, Strategic Thinking, Prioritization & Planning

ACHIEVEMENTS

- Attained an institute rank of 434 on GeeksforGeeks, reflecting proficiency in coding and algorithms.
- Achieved AIR 310 in the JEE B. ARCH Exam, showcasing exceptional aptitude.
- Maintained a LeetCode rank under 275,000 through regular Data Structures & Algorithms practice and coding challenges.

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.