AKANKSHA PANDA

Mumbai, Maharashtra, India

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Education

VIT Bhopal University   **Oct 2022 - Jul 2026**
Bachelor of Technology-Computer Science   *Bhopal,Madhya Pradesh*
CGPA: 8.85

Technical Skills

Programming Languages: C++, Java, Python, JavaScript
Data Analysis and Visualization Tools: Pandas, NumPy, Scikit-Learn, Microsoft Excel, Google Sheets, Power BI
Databases: MySQL, MongoDB
Platform and Tools: Jupyter, Anaconda, Git, GitHub, Postman, AWS (Basics), Linux, VS Code

Projects

Spam EMail and SMS Classifier | *Python, NumPy, Pandas, Matplotlib, Scikit-Learn*   **Apr 2025 - May 2025**
- Developed Java and MySQL-based software solutions using OOP and UML, enhancing system responsiveness and reducing customer query resolution time by 20%.
- Collaborated with industry mentors to digitize inventory tracking, reducing manual errors by 30% and improving supply visibility for internal stakeholders.
- Led end-to-end execution of 2+ digital projects, ensuring timely delivery and boosting internal team efficiency and service turnaround by 15%.

DDOS attack classification | *Python, NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn*   **Jan 2025 - Feb 2025**
- Analyzed and evaluated 3 ML models (Random Forest, Logistic Regression, Neural Network) on a 70:30 split, achieving up to 96% accuracy and 94% F1 score.
- Designed an ML pipeline (cleaning, EDA, scaling, evaluation) resulting in a 25% improvement in classification precision on imbalanced data.
- Visualized model performance via ROC curves and confusion matrices, demonstrating a 1 AUC for Random Forest and enabling clear threat mitigation insights.

Lending Operations Analytics & Reporting | *SQL, PowerBI, Excel, Tableau*   **Nov 2024 - Dec 2024**
- Implemented a comprehensive grid view report and 3 interactive dashboards to deliver a 360° snapshot of key lending metrics, improving data accessibility for over 150 users across departments.
- Engineered a reporting solution that tracks and analyzes 8 critical KPIs enabling real-time performance monitoring and more informed decision-making.
- Automated reporting processes, reducing manual effort by 12+ hours/week and improving report accuracy and timeliness by 90%.

Experience

Wells Fargo   **Jun 2024 - Jul 2024**
Virtual Experience Program
- Drafted comprehensive financial portfolio documentation, reducing compliance issues by 30%.
- Optimized system efficiency, leading to 15% faster processing of financial reports and streamlined data workflows .
- Devised an Entity Relationship Diagram (ERD) in IntelliJ, enhancing data structure clarity, leading to a significant reduction of 40% in data-related debugging efforts.

Additional

- **Spoken Languages**: Fluent in English, Hindi; Conversational in Oriya
- **Certifications**: MongoDb Database Administrator(MongoDB), NPTEL– Marketing Analytics, NPTEL– Cloud Computing