Pranava Mihi Laasya Rao Peddi
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Professional Summary

Data-driven software developer and analytics professional with 3+ years of experience in dashboard development, CAD solutions, and machine learning applications. Adept at using Power BI, Python, and SQL to derive insights, streamline operations, and present data-driven recommendations to technical and non-technical stakeholders.

Work Experience

Graduate Assistant
Colorado State University – Fort Collins, CO *Aug 2023 – Dec 2024*

- Developed four interactive Power BI and Tableau dashboards with custom DAX measures, increasing data-informed decision-making by 40% across five departments.
- Automated class performance analysis using Python ML models and Excel, reducing data prep time by 30% for 200+ students.
- Conducted SQL, data modeling, and Azure training sessions, achieving 25% improvement in student proficiency across Business Analytics coursework.

Software Developer
Hexagon Asset Lifecycle Intelligence – Hyderabad, India *Jan 2022 – May 2023*

- Engineered optimized 3D CAD graphics in .NET and C#, accelerating rendering speed by 40% and enhancing overall software performance.
- Implemented CI/CD pipelines using Azure DevOps and streamlined Git workflows, delivering faster release cycles with reduced manual errors and elevated code quality.
- Built engineering visualizations using Caesar II for three client solutions, generating $500K+ in annual savings and maximizing project efficiencies.

Project Experience

Power BI – Enrollment and Academic Performance Analytics

- Built a dynamic Power BI dashboard using SQL and DAX to monitor enrollment and academic performance trends, empowering academic teams to identify at-risk programs and take corrective action.

Traffic Management for Emergency Vehicles

- Designed a Python and OpenCV-based emergency vehicle detection system integrated with Flask and PyTesseract, reducing average response times by 40% for urban emergency services.

Smart Governance Through Big Data

- Developed a Hadoop-MapReduce application for real-time government data analysis, improving operational efficiency by 40% and cutting staff training needs by 50 hours annually.

Education

Master of Science in Computer Information Systems *Colorado State University* – Dec 2024
CGPA: 3.89

Skills

- **Languages & Frameworks:** Python, C#, Java, SQL, HTML / CSS
- **Data & Analytics:** Power BI (DAX, M Query), Tableau, Excel, Snowflake, Databricks, Machine Learning
- **Tools & Platforms:** Git, Jupyter, Azure (Data Factory, DevOps, SQL DB), Flask, OpenCV
- **Development & Workflow:** CI/CD, Scrum, PowerShell, VS Code, UNIX
- **Interests:** Data visualization, real-time systems, education analytics, public sector innovation