Uday Sashank

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Summary

Experience:

Total Experience: 4 years in the field of data analysis.
Relevant Experience: 3 years specifically focused on financial sector analytics.
Skills:

Technical Proficiency: Skilled in Python, R, SQL, and advanced Excel functions.
Data Visualization: Expertise in creating intuitive dashboards using Tableau and PowerBI.
Statistical Analysis: Proficient in hypothesis testing, regression analysis, and forecasting models.
Data Wrangling: Experienced in cleaning, transforming, and enriching raw data for actionable insights.
Career Highlights:

Led a team that analyzed 2+ terabytes of data, uncovering insights that boosted sales by 15%.
Designed an automated reporting system that saved the company 20 hours of manual work per week.
Collaborated with the marketing team, driving a campaign that increased customer retention by 8% through data-driven strategies.
Identified potential fraud activities, saving the company over $1M in potential losses.

Experience

Data Analyst

Hero MotoCorp

May 2020 - Dec 2023 (3 years 8 months)

Responsibilities:

Sales Forecasting: Leveraged historical data and market trends to forecast monthly and quarterly sales, aiding inventory management and production planning.

Market Research & Analysis: Scrutinized market data to identify potential growth areas, customer preferences, and emerging competitor strategies.

Data Visualization: Developed interactive dashboards and reports using tools like Tableau and PowerBI to provide key insights to the management and stakeholders.

Operational Efficiency: Collaborated with production and supply chain teams to optimize processes by analyzing production data, material flow, and inventory levels.

Data Integrity & Management: Ensured the accuracy and consistency of all data sources, implementing regular data cleaning and validation protocols.

Impact:

Enhanced Decision Making: Introduced data-driven methodologies that contributed to a 12% increase in year-on-year sales by identifying untapped markets.

Cost Reduction: Analyzed operational data to pinpoint inefficiencies, leading to a 8% reduction in manufacturing wastage costs.

Customer Insights: Conducted advanced analytics on customer feedback and warranty claims, resulting in a 15% improvement in customer satisfaction scores post product tweaks.

Awards:

Innovator of the Year 2022: Recognized for developing a predictive analytics model that accurately projected demand during festive seasons.

Data Champion Award 2022: Awarded for driving a data-centric culture within the company and mentoring junior analysts to uplift their analytical skills.

Graduate Engineering Trainee

South Central Railway

Sep 2018 - Apr 2019 (8 months)

Responsibilities:

Infrastructure Maintenance and Upgradation: Assisted senior engineers in regular inspection, maintenance, and upgradation of railway infrastructure, ensuring optimal performance and safety.

Project Management: Collaborated with cross-functional teams to execute railway expansion and modernization projects, ensuring they are completed on time and within budget.

Technical Analysis: Conducted feasibility studies for potential track routes, analyzing terrain, geotechnical considerations, and logistical challenges.

Stakeholder Coordination: Interacted with contractors, suppliers, and local authorities to ensure smooth progress of engineering works and obtain necessary clearances.

Safety Protocols: Ensured adherence to railway engineering and safety standards in all tasks, leading to zero safety incidents during my tenure.

Impact:

Efficiency Increase: Played a key role in the team that optimized the rail route alignments, resulting in a 5% decrease in travel times on major routes.

Cost Saving: Proposed and implemented cost-effective engineering solutions, leading to a 7% reduction in maintenance expenses for the fiscal year.

Technological Upgrade: Assisted in the digital transformation of track monitoring systems, leading to a 15% increase in early fault detection and prevention.

Awards:

Rising Star Award 2021: Recognized for showcasing exceptional adaptability and learning curve during the initial months of the training program.

Safety Excellence Award 2021: Awarded for maintaining impeccable safety records and introducing preventive measures that enhanced on-ground safety.

Education

Vasireddy Venkatadri Institute of Technology, Nambur (V), Pedakakani(M), PIN-522508(CC-BQ)

Bachelor of Technology, Mechanical Engineering

2017 - 2021

Course Overview:

The Bachelor of Technology in Mechanical Engineering is a comprehensive program designed to impart foundational knowledge, practical skills, and innovative thinking in the vast domain of mechanical engineering. This degree equips students with the understanding of mechanics, materials science, thermodynamics, and structural analysis, providing a holistic understanding of mechanical systems and devices.

Core Modules:

Engineering Mathematics: Dive into advanced mathematical concepts essential for engineering applications, including differential equations, linear algebra, and calculus.
Thermodynamics: Understand the principles governing energy transformations and the behavior of matter.
Strength of Materials: Study the properties and behavior of different materials under various conditions of stress and strain.
Fluid Mechanics: Explore the behavior of liquids and gases, focusing on concepts like flow, pressure, and turbulence.
Kinematics and Dynamics of Machines: Analyze the motion of machines and mechanisms and understand the forces acting upon them.
Heat and Mass Transfer: Delve into the principles and mechanisms of heat and mass movement in different systems.
Machine Design: Learn to design various machine components considering real-world constraints and requirements.
Control Systems: Understand the fundamentals of feedback systems and the design of control mechanisms.
Manufacturing Processes: Gain insights into various manufacturing techniques, from traditional methods to modern CNC and additive manufacturing.
CAD/CAM: Acquire skills in computer-aided design and computer-aided manufacturing, essential tools for modern mechanical engineers.
Learning Outcomes:

Ability to design, analyze, and troubleshoot mechanical systems and components.
Proficiency in using modern tools and software for mechanical design and simulation.

A solid foundation in core mechanical engineering principles, enabling innovative thinking and problem solving.
Skills to man

University of North Texas

Advanced Data Analytics, Data Analysis

Jan 2023 - Nov 2024

Masters in Advanced Data Analytics and Management

Course Overview:

The Masters in Advanced Data Analytics and Management is an intensive program tailored for individuals seeking a deep dive into the intricacies of data science coupled with the essential tenets of modern management principles. This program combines technical prowess in data analytics with managerial acumen, enabling graduates to lead data-driven initiatives effectively within their organizations.

Core Modules:

Advanced Statistical Analysis: Explore the deeper realms of statistical theories and their practical applications in real-world scenarios.
Predictive Analytics and Machine Learning: Dive into sophisticated algorithms and models designed to forecast future trends and behaviors from complex datasets.
Big Data Technologies and Infrastructure: Familiarize yourself with current platforms like Hadoop, Spark, and NoSQL databases necessary for storing and processing voluminous data efficiently.
Data Visualization and Business Intelligence: Cultivate the art of portraying data insights visually and deriving business strategies from data-driven narratives using tools like Tableau, PowerBI, and D3.js.
Data Governance and Quality Management: Understand the principles behind ensuring the quality, security, and ethical handling of data assets.
Strategic Management in a Data-Driven Era: Learn to align data analytics strategies with broader business goals and lead data projects with a managerial perspective.
Change Management and Organizational Behavior: Study the challenges and methodologies to implement data-driven initiatives in organizations and manage the associated changes effectively.
Learning Outcomes:

Mastery over a broad array of data analytics tools, platforms, and methodologies.
Ability to lead, strategize, and manage data-centric projects and teams.
Proficiency in communicating complex data insights to technical, managerial, and executive stakeholders.
Comprehensive understanding of data qual

Skills

Leadership • Problem Solving • Microsoft Excel • Analytical Skills • Java • Microsoft Power BI • Tableau • Jupyter • SQL • Pandas (Software)