GNANA SPOORTHY BYSANI

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PROFESSIONAL SUMMARY:

Data Analyst with 5+ years of experience in SQL, Python, and Java, specializing in data analysis, reporting and process optimization. I excel in transforming complex data into actionable insights that improve business decision-making and operational efficiency. With a strong background in data cleaning, statistical analysis, and visualization, I am adept at delivering data-driven solutions that support strategic goals and drive business performance.

TECHNICAL SKILLS:

- **Data Analysis & Tools**: SQL (Advanced Querying, Stored Procedures, Functions, Joins, Indexing), Python (Pandas, NumPy, SciPy), R, Excel (Advanced Formulas, Pivot Tables, Power Query), Google Analytics, Airflow.
- **Data Visualization**: Power BI, Tableau (Calculated Fields, Dashboards, Visual Analytics)
- **Data Management & Databases**: MySQL, Data Warehousing (ETL Processes, Data Modelling, Data Integration)
- **Cloud & Big Data**: AWS, Microsoft Azure Cloud, Google Cloud, Data bricks, Snowflake
- **Web Development**: XML
- **Project Management & Collaboration**: Trello, Jira, Slack, Asana, Microsoft Teams, Confluence
- **Machine Learning & Statistics**: Tensor Flow, Statistical Analysis, A/B Testing
- **Software Development Methodologies:** Agile (Scrum), ETL
- **Soft Skills**: Strong problem-solving ability, excellent communication, collaboration, and teamwork, adaptability, attention to detail, time management, critical thinking, and proactive decision-making.

EDUCATION:

Master of science in Management in Information Systems   **May 2025**
Illinois Institute of Technology | Chicago, IL, USA   GPA: 3.8/4

B. Tech in Information Technology   **May 2018**
Sreenidhi Institute of Technology | Hyderabad, India   GPA: 3.6/4

CERTIFICATION:

Microsoft Azure Fundamentals AZ-900

PROFESSIONAL EXPERIENCE:

Teaching Assistant- JAVA   **Aug 2024 – Dec 2024**
Illinois Institute of Technology, USA

- Assisted **50+ undergraduate students** in mastering Java programming concepts, including object-oriented programming, data structures, and algorithms.
- Performed **weekly lab sessions** and office hours, providing hands-on coding support, and debugging assistance to students.
- Graded and supplied constructive feedback on **50+ coding assignments and projects** per semester, ensuring adherence to coding best practices and efficiency.

Data Analyst Intern   **Nov 2023 – Feb 2024**
YAAANA, USA

- Analyzed and cleaned large datasets (over 500,000 records) using **SQL** to ensure accuracy and consistency for reporting and decision-making.
- Developed and optimized **Power BI** dashboards, improving data visualization and enabling stakeholders to make data-driven decisions 30% faster.
- Automated data extraction and reporting processes using **Python (Pandas, NumPy)**, reducing data preparation time by 25%.
- Conducted exploratory data analysis (EDA) on datasets using **R** and **Excel**, identifying key trends that contributed to a 15% improvement in operational efficiency.
- Collaborated with senior analysts to refine **data models** and perform **statistical analysis** using **SAS**, improving data accuracy by 20%.

Lead Analyst   **Mar 2022 - Aug 2023**
Mashreq Global Services, Bangalore, India

- Led the development and implementation of data management policies and frameworks, ensuring compliance with organizational standards and improving data governance by 40%.
- Designed and maintained **OMDM (Operations Management Data Model)** tools, optimizing data integration and streamlining processes across multiple departments, reducing operational delays by 25%.
- Cooperated with senior management to define and enforce policies related to data access, security, and usage, reducing data-related issues by 30%.
- Spearheaded the establishment of standardized reporting protocols using **Power BI** and **SQL**, resulting in a 20% increase in reporting efficiency and accuracy.

Application Development Analyst May 2018 - Mar 2022
Accenture, Bangalore, India
- Assisted in the **development and maintenance** of enterprise applications using **Java, SQL, and Python**, gaining hands-on experience in **software development lifecycles (SDLC)**.
- Wrote and optimized **SQL queries** for data retrieval, reducing query execution time by **20%** and improving database efficiency.
- Developed and tested **RESTful APIs and micro services** using **Spring Boot and Flask**, enhancing system integration and scalability.
- Automated **manual data processing tasks** using **Python and Shell scripting**, saving **15+ hours per week** and reducing errors.
- Designed and implemented **ETL pipelines**, improving data processing speed by **40%** and optimizing workflow automation.
- Directed a small team in **migrating legacy applications to AWS/Azure**, reducing infrastructure costs by **25%** while improving performance.

PROJECTS

Workforce Insights Dashboard using Tableau Mar 2025 – May 2025
- Developed an interactive Tableau dashboard to analyze **employee attrition trends** using synthetic HR data.
- Visualized key attrition drivers by **department, age group, gender, education level, and job role**.
- Designed engaging visuals including **KPIs, pie charts, bar graphs, and donut charts** to support strategic HR decisions.
- Implemented dynamic **filter interactivity and drill-down capabilities** to enhance user exploration and insight discovery.

OMDM Decision Engine for Credit Policy Automation Dec 2021- Mar 2022
- Developed and deployed an OMDM (Operational Master Data Management) Decision Engine to automate and enforce credit policy decisions for a major financial institution. The system improved data-driven operations across loan origination and customer credit assessment processes.
- Collaborated with risk and policy teams to translate complex **credit policy requirements** into decision logic within the OMDM platform, ensuring accurate and consistent loan approvals and rejections.
- Regularly audited existing data models and reporting systems, ensuring compliance with internal governance policies, and improving overall data quality by **15%**

ACHIEVEMENTS
- Awarded the **Uma and Arun Ahuja Endowed Graduate Fellowship** at Illinois Institute of Technology (Spring 2025) for academic excellence, leadership potential, and commitment to Information Technology and Management.
- Received the **Best Student Award** for outstanding academic performance and active involvement in academic initiatives.
- Honored with the **Accenture Leadership Award** for demonstrating exceptional leadership, initiative, and impactful contributions during tenure at Accenture.