

SATEESH G

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PROFESSIONAL SUMMARY

- Data-driven professional with 4+ years of experience in analyzing complex datasets, streamlining data processes, and delivering impactful business insights.
- Proficient in Python, SQL, Power BI, Power Automate and Azure, with expertise in creating dynamic dashboards, ETL pipelines, and delivering actionable business solutions.
- Skilled in designing and deploying machine learning models, achieving high accuracy in predictive analytics to enhance strategic decision-making.
- Demonstrated success in implementing cloud-based solutions and automating data processes, improving efficiency by up to 50%.
- Experienced in leveraging OpenAI's models, including RAG (Retrieval-Augmented Generation), to build advanced chatbots and AI-driven solutions.
- Proven ability to translate complex data insights into actionable recommendations, driving a 25% improvement in decision-making speed for key stakeholders.

SKILLS

- **Programming Languages:** Python, SQL, R, Java, Scala
- **Data Visualization Tools:** Power BI, Tableau, Excel (Advanced)
- **Automation Tools:** Power Automate, Klik Automate
- **ETL Tools:** Azure Data Factory, Power Query, Informatica, SSIS, Alteryx, KNIME, SSRS
- **Database Systems:** MySQL, PostgreSQL, MongoDB, SQL Server, Oracle
- **Cloud Platforms:** Azure Synapse Analytics, Azure Databricks, AWS (S3, Redshift, Glue, Athena, RDS)
- **Machine Learning Frameworks:** Scikit-learn, TensorFlow, PyTorch, Random Forest, XGBoost, SVM
- **Statistical Tools:** NumPy, Pandas, Matplotlib, Seaborn, Statsmodels, plotly, ggplot2, shiny
- **Project Management:** Agile (Scrum, Kanban), Waterfall, Sprint Planning, SDLC
- **Version Control:** Git, GitHub
- **Core Competencies:** Strong analytical and problem-solving skills, Communication, Time management, Self-Directed
- **Others:** Agile Data Analysis, Data Wrangling, Big Data Analysis, CNN, RNN, Database Management, KPI Tracking, Salesforce, Snowflake, Artificial Intelligence, ServiceNow, Google Analytics, Deep Learning, Kubernetes, Docker, Hex

PROFESIONAL EXPERIENCE

Insta Global Source Pvt Ltd, India

Feb 2021– Nov 2022

SR. Data Analyst

- Designed and optimized ETL pipelines using Python and SQL, improving data processing efficiency by 35% and enhancing system scalability.
- Automated data integration workflows with Azure Data Factory, reducing manual effort by 50% and increasing operational efficiency.
- Leveraged Power Automate to automate data integration tasks, cutting manual workload by 25%.
- Partnered with cross-functional teams to migrate 500+ GB of legacy data to the cloud with 99.9% accuracy, successfully completing the project ahead of schedule.
- Created interactive Power BI dashboards to visualize key metrics, driving a 25% improvement in business decision-making.
- Designed and deployed Power BI reports integrated with Azure Synapse Analytics, enabling real-time data insights for business users.
- Developed and optimized Power BI dashboards connected to Azure SQL Database, improving data accessibility and decision-making.
- Implemented row-level security (RLS) in Power BI to control data access based on user roles, enhancing security and compliance.
- Integrated Azure Data Lake Storage (ADLS) with Power BI, enabling seamless data visualization for large-scale datasets.
- Automated data refresh processes in Power BI using Azure Data Factory, ensuring up-to-date analytics and reducing manual intervention.
- Configured and managed Power BI Embedded on Azure, allowing seamless integration of analytics into web applications.

Glintsoft Infotech Pvt Ltd, India

April 2018- Jan 2021

Data Analyst

- Designed and deployed 15+ interactive Power BI dashboards, reducing reporting turnaround time by 40%

and enabling real-time data-driven decision-making.

- Built and implemented machine learning models using Python (scikit-learn) to predict key business metrics, increasing forecast accuracy by 25%.
- Conducted advanced data analysis and trend detection using SQL and Python, uncovering insights that improved operational workflows by 30%.
- Engineered and automated data pipelines for ETL processes, reducing manual processing time by 35% and ensuring seamless integration of structured and unstructured data.
- Collaborated with business teams to define KPIs, designed data models, and led A/B testing, boosting client engagement by 15%.
- Collaborated with cross-functional teams to deliver predictive analytics models, increasing forecast accuracy by 20%.

PROJECTS

RISE Krishna Sai Polytechnic Website

Description: Developed and deployed a responsive, cross-browser compatible website for the institution to enhance online presence and accessibility.

Key Contributions:

- Built the website using HTML5, CSS3, and JavaScript, ensuring a modern and user-friendly design.
- Implemented a MySQL database schema to manage institutional data efficiently.
- Designed and integrated RESTful APIs for secure and effective communication between the frontend and backend.
- Optimized the website for performance through techniques such as image compression and lazy loading.

Workforce Diversity & Inclusion Analytics using Power BI

- Built an interactive Power BI dashboard analyzing diversity metrics across departments, identifying underrepresented groups, and enabling data-driven hiring decisions.
- Integrated Azure SQL and Power BI to automate data processing, reducing manual reporting effort by 40%.
- AI-Powered Resume Screening & Job Match System
- Developed an NLP-based resume screening tool using OpenAI models, reducing hiring time by 50% by automatically matching candidates to job descriptions.
- Implemented TF-IDF and BERT models to extract key skills and rank resumes based on relevance.

Customer Churn Prediction & Retention Strategy using ML

- Built a churn prediction model using Random Forest and Neural Networks, achieving 82% accuracy in identifying customers at risk of leaving.
- Integrated predictive insights into a Power BI dashboard, allowing the marketing team to launch targeted retention campaigns, reducing churn by 15%.

RESEARCH EXPERIENCE SECTION

Academic Projects:

1. Cloud Security and Compliance: Trends and Challenges, Including Data Privacy and Compliance

Description: Conducted a comprehensive study on cloud computing security and compliance challenges, focusing on evolving threats, regulatory frameworks (e.g., GDPR, CCPA, HIPAA), and mitigation strategies.

GitHub Repository: [Cloud Security Compliance](#)

Key Highlights:

- Analyzed risks such as data breaches, insecure APIs, and insider threats.
- Explored solutions, including encryption, Identity and Access Management (IAM), and Multi-Factor Authentication (MFA).
- Proposed best practices for achieving cloud compliance and enhancing organizational resilience.
- Discussed real-world examples, such as AWS and Azure implementations, to highlight effective cloud security practices.

Technologies and Skills: Research methodology, technical writing, cloud security frameworks, regulatory analysis, and data protection strategies.

2. Internet of Things in Retail Business: Enabling Smart Retailing Experiences

Description: Conducted an in-depth study on the transformative role of Internet of Things (IoT) technologies in the retail industry, emphasizing enhanced customer experiences, operational efficiencies, and smart store innovations.

GitHub Repository: [IoT Paper](#)

Key Highlights:

- Explored IoT applications like RFID-enabled inventory management, beacon-based proximity marketing, and smart shelves for real-time tracking and restocking.
- Analyzed the impact of IoT on predictive analytics, customer personalization, and supply chain optimization.
- Addressed challenges such as interoperability, scalability, and security, proposing solutions like edge computing and robust encryption.
- Discussed real-world implementations (e.g., RFID systems in inventory and IoT-driven customer engagement with beacon technology).

Technologies and Skills: IoT frameworks, RFID systems, predictive analytics, edge computing, and technical research methodology.

CERTIFICATIONS

- The Git Started with GitHub - **Udemy**
- Cloud Practitioner – **AWS**
- Prompt Engineering with ChatGPT – **LinkedIn**
- Full Stack Web Development - **Udemy**

EDUCATION

Florida Atlantic University, Boca Raton, USA

Jan 2023 – Dec 2024

Master's in computer science

GPA: 3.7