SOHAM VASUDEO

Data and AI Enthusiast

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Graduated with a Master's in Global Business Analytics from Virginia Tech , with a strong academic foundation in Computer Science (Data Science specialization) from NMIMS University, India, and a Bachelor's in Cybersecurity from Virginia Tech. Experienced in translating complex data into actionable insights through advanced analytics, machine learning, and Gen AI. Proven track record of designing data-centric, AI-powered solutions that solve real-world business problems.

EDUCATION

M.S - Business Administration (Global Business Analytics)
Virginia Polytechnic Institute and State University
08/2024 - 05/2025   *Alexandria, VA*

B.S - Business Information Technology (Cybersecurity Management and Analytics)
Virginia Polytechnic Institute and State University
08/2023 - 05/2024   *Blacksburg, VA*

B.Tech - Computer Science and Engineering (Data Science)
NMIMS University
06/2020 - 08/2024   *Mumbai, India*

PROFESSIONAL EXPERIENCE

Intern
Atos Syntel
05/2024 - 07/2024   *Mumbai - India (Remote)*

Achievements/Tasks
- Developed a Healthcare Data Platform leveraging Azure, integrating Python and Django to modify patient workflows, enhance data access and drive data-driven decision-making. Engineered an automated blood report processing solution using Python and Django, ensuring seamless integration with Azure Data Lake for secure and efficient data handling. Utilized Azure Open-AI services to deliver AI-driven diagnosis summaries and treatment recommendations, revamping clinical efficiency and supporting informed decision-making.

Technology Consultant
FanDen (Startup)
08/2022 - 08/2023   *Mumbai - India (Remote)*

Achievements/Tasks
- Directed a cross-functional team of five to revamp an event booking website using the MERN stack, boosting user experience and increasing platform engagement. Led design and deployment of a CRM system with admin and coordinator access, optimizing backend operations and improving data-driven customer management. Implemented an advanced QR code-based order confirmation system, reducing venue entry wait times by 25% and boosting operational efficiency.

Business Intern
BrandBuddiez (Startup)
04/2022 - 06/2022   *Mumbai - India*

Achievements/Tasks
- Collaborated with the CTO to enhance company's digital presence by optimizing website and improving platforms used by electronics clients. Designed UML diagrams to document and revise supply chain workflows, driving process clarity from order generation to customer delivery. Created Power BI dashboards to track sales KPIs across 2 regions and several product categories, driving data-informed business strategies.

SKILLS

Python   SQL   Power BI   Tableau

Data Modelling   Machine Learning   Gen AI

Azure Data Lake   Azure OpenAI Services   Django

MERN Stack   CRM Systems

PROJECTS

Automated Financial Data Processing and Dynamic Reporting
- Designed a conceptual framework to automate financial data workflows using RPA, ML, and Gen-AI. Implemented RPA for data extraction, cleaning, and ETL pipeline integration, storing processed data in a Data Warehouse. Developed predictive ML models and Gen-AI to generate insights and synthetic data, visualized on an interactive dashboard. Integrated RLHF for continuous optimization, enabling real-time financial decision-making.

Hand Gesture Recognition
- Used Google ML libraries (MediaPipe Holistic) in Python to detect and track palm movements and map key points to pass on to a computer vision model to create a hand gesture to text generation system.

Covid-19 Analysis
- As part of a Data Science intra-college competition, analyzed a COVID-19 dataset comprising of pandemic patient and vaccine data. Created a analytical model to predict the Patient Recovery and Mortality Rate using Python (SARIMAX Model). Further created a Covid and Vaccination Dosage Dashboard to showcase the predictions using Power BI

Sales Dashboard
- Created an Interactive Visualization in Ms Excel using pivots and charts to track key Sales KPIs across channels, regions and product categories

CERTIFICATIONS

Gen AI Fundamentals (11/2024)
DataBricks

Google Analytics Certification (04/2024)
Google

Machine Learning Specialization (01/2023)
Coursera

Tier 2 Specialization in Base SAS and Predictive Modeling (02/2022)
SAS

Tier 1 Specialization in Base SAS and Visual Analytics (12/2021)
SAS

Data Science (12/2021)
SkillVertex