

NAVEEN KUMAR GUDIMILLA

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SUMMARY

As a professional with dual master's degrees in Information Systems and Business Administration, I specialize in AI-driven solutions using machine learning, LangChain, and API to automate processes. I design scalable cloud solutions on platforms like AWS, Azure, and Oracle Fusion, leveraging BI tools such as Power BI and Tableau to deliver actionable insights. I also automate financial workflows, improve reporting accuracy, and lead cross-functional teams to ensure business objectives are met. Additionally, I focus on building responsive web applications that drive process automation and strategic decision-making through data analytics.

SKILLS

Cloud Computing & DevOps: AWS (EC2, S3, IAM, CloudWatch), Infrastructure as Code, Kubernetes, Docker containerization, CI/CD pipelines

AI & Automation: LangChain, API, Scikit-learn, PyTorch

Cloud Platforms: AWS (EC2, S3, RDS, Lambda), Snowflake

Business Intelligence: Power BI, Tableau, SQL, Google Analytics

Programming: Python (Pandas, Matplotlib), SQL, HTML, CSS, JavaScript

ERP Systems: Oracle Fusion, SAP

Web Development: WordPress, Flask, CI/CD pipelines

Version Control & Containerization: Git, Docker, Kubernetes

Data Analytics & Visualization:

1. **Data Cleaning & Transformation:** Power Query, Excel (Advanced)
2. **Data Visualization:** Tableau, Power BI, Python Visualization (Matplotlib)

IT Systems & Soft Skills: Stakeholder Management, Effective Communication, Problem-Solving, Cross-Functional Collaboration, Leadership, Time Management

WORK EXPERIENCE

Hudson Valley Concierge Services (HVCS)

Poughkeepsie, NY, USA

Technology and Data Solutions Intern

April 2024 – Present

- Designed and developed AI-driven digital solutions using **LLMs, LangChain, and Python frameworks** to automate concierge services and enhance customer interactions
- Implemented Git and Docker for seamless version control and containerized application deployment, improving development workflow efficiency by 40%
- Architected and deployed AWS-based infrastructure using **EC2, S3, and IAM roles**, ensuring secure and scalable application hosting
- Engineered an **Alexa Skill using AWS Lambda and S3** to provide hands-free access to concierge services, enhancing client engagement and service automation
- Developed and optimized responsive web pages to improve user experience and brand visibility, ensuring accessibility across multiple platforms
- Created SEO-optimized digital content including infographics, blogs, and social media campaigns, increasing brand reach and customer engagement by 30%

- Built and automated financial dashboards using Power BI, Tableau, and Excel Pivot Tables, providing real-time revenue analytics and performance insights for leadership
- Implemented AWS-based data storage solutions for financial reporting, utilizing S3 for data lakes and EC2 for processing workloads
- Automated O2C (Order to Cash) billing workflows using UiPath, reducing manual effort and increasing operational efficiency by 20%
- Designed and implemented SQL queries to extract, transform, and analyze financial data from databases, reducing manual reporting efforts by 30%
- Created KPI dashboards for leadership to track project revenue, budget variance, and operational expenses, enhancing strategic decision-making

PROJECTS & LEADERSHIP

QueryAgent: AI-Powered SQL Query Assistant

JAN 2025

- Developed an **AI-powered SQL query assistant** using **LangChain**, **OpenAI API**, and **Python** to automate SQL query generation and database interactions.
- The tool enables users to pose **business-related questions in plain English**, which are automatically converted into **SQL queries**, providing **real-time insights** and supporting data-driven decision-making without requiring SQL knowledge.

Netflix Data Analytics Pipeline on AWS

FEB 2025

- Developed a serverless data pipeline using **Amazon S3**, **AWS Glue**, **Amazon Athena**, and **Amazon QuickSight** to analyze a Netflix dataset.
- Automated data cataloging with **Glue Crawlers**, performed **SQL queries** in Athena, and built interactive dashboards in QuickSight.

AWS Cloud Infrastructure Deployment

March 2025

- Designed and implemented a comprehensive AWS architecture incorporating EC2 instances, S3 storage, and IAM role-based security
- Configured secure network infrastructure with VPC, security groups, and implemented monitoring using CloudWatch
- Integrated EC2 instances with S3 storage using boto3 Python SDK for automated data processing workflows

DegreeWorks Application Prototype

May 2024

- Developed a **user-friendly academic management prototype** in **Figma** for **GPA tracking** and **credit audits**, designed for ease of access across devices.
- Focused on **responsive design** and **user-centered principles**, enhancing student engagement and course tracking.

EDUCATION

Master of Science in Information Technology

MS (GPA:3.642)

Master of Business Administration (MBA) – Finance

Bachelors (GPA:6.30)

Marist College, Poughkeepsie, New York

December 2024

Osmania University, Hyderabad, India

Graduated: May 201

