NAVEEN KUMAR GUDIMILLA

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SUMMARY

Results-driven IT professional with dual master's degrees in Information Systems and Business Administration, bringing hands-on experience in AI integration, cloud architecture, and digital transformation. Currently serving as an IT Supervisor at Community Matters 2, leading nonprofit tech strategy and content innovation. Proven ability to design and deploy scalable AWS solutions, automate business processes using LangChain and Python, and build intelligent analytics dashboards using Power BI and Tableau. Skilled in cross-functional leadership, ERP systems like Oracle Fusion, and modern web development tools. Passionate about aligning technology with organizational impact and delivering real-time data-driven solutions.

SKILLS

- ❖ **Cloud Computing & DevOps**
  AWS (EC2, S3, RDS, Lambda, IAM, CloudWatch) · Infrastructure as Code (IaC) · Git · Docker · Kubernetes · CI/CD Pipelines
- ❖ **AI & Automation**
  LangChain · OpenAI API · Scikit-learn · PyTorch · Process Automation · Conversational AI
- ❖ **Data Engineering & Analytics**
  SQL · Power Query · Snowflake · AWS Glue · Athena · Python (Pandas, NumPy, Matplotlib)
  Power BI · Tableau · Google Analytics · QuickSight
- ❖ **Web & Application Development**
  Python (Flask) · HTML · CSS · JavaScript · WordPress · Responsive Design · SEO Optimization
- ❖ **ERP & Business Systems**
  Oracle Fusion · SAP
- ❖ **Soft Skills & IT Systems**
  Stakeholder Management · Cross-Functional Team Leadership · Effective Communication · Problem-Solving · Time Management

WORK EXPERIENCE

Community Matters 2 (NGO Company)   **Poughkeepsie, NY, USA**
*IT Supervisor (Part-Time Internshi*p**)**   *March 2025 – Present*

- Oversee IT operations and support infrastructure needs for a nonprofit organization serving youth and families in Poughkeepsie.
- Supervise technology projects, including system upgrades, network configuration, and internal software solutions to support program delivery.
- Provide end-user support, troubleshoot technical issues, and maintain hardware/software systems for staff and community centers.
- Lead digital content creation and collaborate with social media teams to enhance brand visibility and outreach.
- Assist in implementing security protocols and ensure smooth integration of IT tools with organizational goals.
- Contribute to strategic planning by aligning technology solutions with programmatic needs and data collection efforts.

Hudson Valley Concierge Services (HVCS)   **Poughkeepsie, NY, USA**
Technology and Data Solutions Intern   *April 2024 – January 2025*

- 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%

Virtusa   **Hyderabad, Telangana, India**
Project Billing Specialist – BU Operations   *March 2021 – December 2022*

- 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   **Marist College, Poughkeepsie, New York**
MS (GPA:3.642)   *December 2024*
Master of Business Administration (MBA) – Finance   **Osmania University, Hyderabad, India**
Bachelors (GPA:6.30)   *Graduated: May 201*