Durga Chowdary Koduru Lokesh

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EDUCATION

Master in Business Analytics   **2023-Present**

Kent State University | Kent, Ohio, United States |GPA 3.5/4.0 | Coursework: Machine Learning, Database management, Data visualization, Data mining, Deep learning, Graph Databases, Neural Networks.

PROFESSIONAL EXPERIENCE

Data Analyst Intern | Kent state University | Kent, OH.   **2024 – Present**
- **Developed a Demand Forecasting Model:** Integrated student demographics and financial analysis to develop a revenue forecasting model for the university using **Regression** and **Time Series** Models, applied **statistical analysis** to predict the incoming students.
- **Performed Data Transformation:** Conducted data transformation on demographics data using **R programming** from both university and external state sources to prepare it for modeling.
- **Supported Finance and Marketing Teams:** Presented our analysis to the finance team for budget preparation and the marketing team using **tableau** dashboards analytics to target lead generation by providing accurate predictions.

Engineer | EPAM Systems INC | Bangalore, India.   **2022-2023**
- Led the implementation of DevOps practices at various levels including Application, Data, Cloud, and DevOps.
- Managed and optimized Azure Cloud services including Virtual Machines, Azure Resource Manager (**ARM**), Blob Storage, and more.
- Enhanced security measures by integrating vulnerability management tools such **IAM** through terraform implementing role-based authentication.
- Administered **Azure Kubernetes Services** (AKS) for containerized applications, ensuring high availability and security.
- Developed **CI/CD** pipelines with a focus on integrating security at every stage of the development process.
- Managed and secured sensitive data using **Azure Key Vault** and **Azure Security** Center.
- Implemented monitoring and logging using Splunk, ensuring system reliability and performance.

Associate consultant | KPMG Global services | Bangalore, India.   **2021-2022**
- Configured Role base access with **AWS IAM** cloud using **Terraform** (**IaC**) for the developer team and stream-lined their resource deployment on cloud using CI-CD techniques reducing computing costs.
- **Developer Experience Account Migration & Support**: Managed AWS accounts, supporting applications like JFROG, Confluence, and Jira. Implemented account migration strategies and set up CI/CD pipelines using Jenkins and Bamboo for continuous integration and delivery.
- **Data DevOps Project**: Automated regular database activities, optimized cloud resource usage, and ensured security through IAM, KMS, and encryption tools.

Junior Engineer | Mindtree Ltd. | Bangalore, India.   **2018-2021**
- **Led Cloud Migration for Media Client:** Spearheaded the migration of a media client's on-premises infrastructure to cloud computing (**Azure**). Utilized **Ansible** for configuration management and **Jenkins** for CI/CD processes to ensure a seamless transition.
- **Migrated Code to GitHub:** Successfully migrated the entire codebase to **GitHub**, streamlining the client's SDLC process.
- **Improved Product Uptime and Reduced Costs:** Achieved a **4% increase** in product uptime and **35% reduction** in infrastructure costs.
- Provided support for database migration and cloning activities, ensuring data integrity and seamless transition.
- Collaborated with the development and application teams to troubleshoot and resolve database-related issues, enhancing overall system performance.

SKILLS

Cloud Technologies: AWS, Azure (computing, storage, Data processing, DevOps, CICD, Identity Management, infra as code).
Databases: SQL, NoSQL, Graph database   **Containerization**: Docker, Kubernetes, Helm.
Monitoring Tools: CloudWatch, Splunk   **CI/CD and Automation**: Mlflow, Jenkins, Ansible, Terraform.
Machine Learning: Regression, Clustering, Random Forests, Time series.
Data science: LangChain, TensorFlow, R programming, Pandas, Vector Database, RAG, LLM's.

PROJECTS

- **Audio Translator**: Developed a prototype application in python useful for content creators to translate audio of any length using opensource google libraries supported languages (Audio_translator).
- **MyGPT**: Working on Creating a prototype GenAI project using open source LLM's and RAG implementation on graph Databases for private datasets. Where this application should work as standalone product for any specific industry.