SivaReddy Puli

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Technical Skills:

- **Programming Languages:** Java, C,MySQL,JavaScript.
- I have good knowledge in **Data Structures and Algorithms.**
- **Cloud Platforms: AWS** (EC2, VPC, EBS, S3, CloudWatch, Lambda, CloudFront, API-Gateway), **Azure** (Azure Static Web Server, VM, Function App, Open AI).
- **Machine Learning:** Linear Regression, Logistic Regression, Decision Tree, KNN.
- **Web Development:** Basic React.js, Node.js, Express.js, and Spring-Boot API's.
- **DevOps:** Docker, Jenkins, and Git.
- **Operating Systems:** Windows, Linux.

Industrial Training/Professional Experience:

1) Machine Learning Internship:

- Implemented various machine learning algorithms during the internship.
- Gained proficiency in supervised and unsupervised learning techniques.
- **Project: HOUSE PRICE PREDICTION**

2) DevOps Intern in EPAM

- Utilized Git and GitHub for version control and collaborative development.
- Implemented Docker for containerization and streamlined deployment processes.
- Automated build and deployment pipelines using Jenkins.
- Acquired foundational knowledge of Cloud Computing principles and services.

Work-Shops Attended:

- I gained knowledge on Introduction to Gen AI, Types of Gen AI Models, LLM's, Limitations of Gen AI Models, and Introduction to RAG. Text Embedding, Cosine Similarity, and Vector Databases through the Gen AI Workshop.
- Explored the significance of cloud computing and various cloud services and automating project deployment efficiently through DevOps practices in Cloud and DevOps workshop.
- Automated repeated tasks using UiPath through Robotic Process Automation (RPA) in workshop .

Education:

R.V.R. & J.C. COLLEGE OF ENGINEERING		
B.tech (Information Technology)		2020-24
BHASHYAM JUNIOR COLLEGE		
Intermediate(MPC)		2018-20
OXFORD HIGH SCHOOL		
10th (SSC)		2017-18

Projects:

House Price Prediction Project

- Description: Developed a machine learning model to predict house prices based on historical data.
- Tech-Stack: Linear Regression, Matplotlib, NumPy, Pandas, Scikit-Learn, Seaborn.

End-to-End CI/CD Pipeline Using Git, Jenkins, ArgoCD, and Kubernetes

- Description: Designed and implemented a fully automated CI/CD pipeline using Git for version control, Jenkins for continuous integration, ArgoCD deployment, and Kubernetes for container orchestration.

Basic React.js Blog Application

- Description: Created a simple blogging application using React.js, allowing users to create, read, update, and delete blog posts.

Spring Boot APIs with Azure MySQL Database Connectivity

- Description: Developed RESTful API's using the Spring Boot framework with MySQL database connectivity. Designed and implemented endpoints for managing user data.

Integrating OpenAI Services in Azure with Node.js and Express

- Description: In this project, OpenAI's service in Azure integrates with node.js. The goal was to create a web application that leverages OpenAI's capabilities in a customised manner. Here's how the project was structured and implemented:

Position of Responsibility/Certifications :

- ➢ Pratibha Award Winner in Class 10th.
- ➢ Head of Secretary of the IDCC Club.
- ➢ Main organizer in the Informatrix club.
- ➢ Programming in Java is offered by **Wipro.**
- ➢ Programming in Python is offered by **Microsoft.**
- ➢ **Database Administration Fundamentals** offered by **Microsoft.**
- ➢ **AWS Academy Cloud Foundations are** offered by **Amazon**.