

MARTHA PAVAN

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GitHub: github.com/MarthaPavan/RideShare

Profile

I have hands-on experience in DevOps engineering practices, including automating cloud infrastructure with Terraform, managing CI/CD pipelines with Jenkins and Git, and deploying containerized applications using Docker and Kubernetes on Azure and GCP. I am also skilled in data engineering tasks, utilizing tools such as PySpark, Databricks, Streamsets, and Azure Data Factory to build efficient data pipelines and support data-driven workflows.

Work Experience

Modak Analytics – DevOps Intern

Worked on automating cloud infrastructure provisioning using Terraform on Azure and GCP. Built and managed CI/CD pipelines using Git and Jenkins for automated deployments. Containerized applications with Docker and orchestrated them using Kubernetes. Applied infrastructure-as-code practices and ensured system reliability and scalability through monitoring and logging tools.

Projects

RideShare: A Carpooling Application

Designed and implemented a carpooling application utilizing ReactJS for the frontend and Node.js with Express for the backend. Integrated MongoDB for data persistence, implemented JWT-based authentication for secure access, and incorporated the LocationIQ API to enable real-time address autocompletion and tracking. Facilitated core functionalities such as user registration and ride booking to enhance usability and functionality.

Travel Bloom

Developed an interactive travel platform that highlights iconic landmarks, cultural attractions, and lesser-known destinations across the globe. The platform provides curated travel tips, destination insights, and user-generated content to assist and inspire travelers in planning enriching and memorable journeys.

Skills

DevOps Engineer Skills: Linux, Git, Jenkins, CI/CD Pipelines, Docker, Kubernetes, Terraform, Azure, GCP

Data Engineering: SQL, PySpark, Databricks, Azure Data Factory, Streamsets

Programming Languages: Python, Java

Web Development: ReactJS, Node.js, ExpressJS

Education

CVR College Of Engineering – BTech in Computer Science

CGPA: 8.66