Sooraj Vaidya

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EDUCATION

Bachelor of Engineering in AIML   CGPA: 8.34
Jyothy institute Of Technology,Bengaluru   *2021 – 2025*

EXPERIENCE

BPVA PVT LTD (nadiswara.com)   April 2024 – May 2025
DevOps/Cloud Intern   *Bengaluru*

- Containerized and deployed Django applications on AWS EC2 using Docker, Nginx, and Let's Encrypt for secure SSL/TLS communication.
- Automated AWS infrastructure provisioning (VPC, EC2, IAM) using Terraform to ensure consistent and efficient deployments.
- Engineered a Bitbucket CI/CD pipeline to automate Docker image creation and deployment, reducing deployment time by 80%.
- Integrated Razorpay payment gateways and developed secure backend workflows to enhance user transaction experiences.
- Contributed to the development of "Nadiswara Pro" by designing backend systems and managing robust delivery pipelines.

PROJECTS

StockRaj-AI stockmarket assistant | *FastAPI, Express, Streamlit, HuggingFace, LSTM, Python*   (Copyrighted)

- Developed an interactive Streamlit application integrated with FastAPI and Express to provide real-time market activity and portfolio management.
- Implemented an AI analysis engine using LSTM models and HuggingFace to generate buy/sell signals based on technical indicators and news sentiment.
- Engineered features for anomaly detection and real-time news fetching to enhance data-driven trading decisions.
- Deployed the full-stack solution on the Streamlit Cloud platform for seamless accessibility and real-time performance.

Nadiswara Application Deployment | *Docker, AWS, Terraform, Nginx, Bitbucket,CICD Pipelines*

- Designed and deployed a secure backend for the Nadiswara Pro pulse diagnosis device using Docker and Nginx reverse proxy.
- Automated the provisioning of AWS infrastructure including VPC, EC2, and IAM roles using Terraform to ensure consistent deployments.
- Engineered a Bitbucket CI/CD pipeline that reduced deployment time by 80% through automated Docker image builds and deployment.
- Implemented secure communication protocols using Let's Encrypt SSL certificates and configured automatic image lifecycle managemen.

Book Store Application | *Node.js, Express, React, SQLite*

- Developed a full-stack web application for bookstore management, implementing a responsive React frontend and a robust Node.js/Express backend.
- Engineered a comprehensive RESTful API to perform CRUD operations (Create, Read, Update, Delete) for managing book inventories.
- Integrated an SQLite database to ensure lightweight and efficient data storage for application state and book records.
- Built an intuitive user interface that allows users to seamlessly add new titles, update existing records, and remove entries in real-time.

TECHNICAL SKILLS

Languages: Python, Java, C programming, SQL, HTML5, CSS
Core Competencies: Data Structures and Algorithms (DSA), DBMS (SQL), Machine Learning
Frameworks & Web: Django (REST), FastAPI, Express, React, Node.js, Bootstrap
DevOps & Cloud: AWS, Docker, Kubernetes, Jenkins, Terraform, Bitbucket Pipelines
Libraries & Tools: pandas, NumPy, Matplotlib, LSTM, Git/GitHub, Postman, VS Code