

SIDDHESH TAWDE

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Aspiring Software and DevOps Engineer with hands-on experience in Python, Flask, and NLP for developing intelligent, data-driven web applications. Experienced in automating CI/CD pipelines using Jenkins, Git, and Maven, and deploying scalable cloud infrastructure on AWS. Passionate about streamlining development workflows and building efficient, reliable systems.

EDUCATION

- **Bachelor of Science in Information Technology (BSc-IT)** | Pillai College | 2020-2023 (First Class)
- **Higher Secondary Certificate (HSC)** | C.K.T Junior College | 2020 (First Class)
- **Secondary School Certificate (SSC)** | C.K.T Vidyalaya School | 2018 (First class)

PROJECTS

Stock Market Sentiment Analysis Using News Headlines

Technologies: Python, Flask, NewsAPI, NLTK/VADER, Matplotlib

- Built a Flask-based web application that analyzes real-time news headlines related to stock market companies using NLP techniques.
- Integrated NewsAPI and yFinance to fetch live news and stock data, and applied VADER sentiment analysis to classify headline sentiments.
- Visualized sentiment trends and correlated them with stock price movements to assist users in understanding market behavior.

Java Website Deployment on AWS with Monitoring

Technologies: Git, Maven, Jenkins, Terraform, AWS, Prometheus, Grafana

- Designed a Jenkins pipeline to automate code builds, testing, and deployment on AWS EC2, streamlining the process and enhancing deployment efficiency.
- Provisioned scalable AWS resources, including (EC2, S3, ELB, and RDS), using Terraform to enable secure and repeatable infrastructure provisioning.
- Configured server setup and application deployment with Ansible, reducing setup time while integrating Prometheus and Grafana for real-time monitoring, ensuring high availability with proactive alerting and resource scaling.

SKILLS

- Programming Languages: HTML, CSS, Javascript, Python
- Operating Systems: Windows, Linux
- Version Control: Git, GitHub
- DevOps Tools: Docker, Jenkins, Ansible, Kubernetes
- Cloud Platforms: AWS (EC2, S3, VPC, EBS, ELB, RDS)
- Database Management: SQL, MySQL, PostgreSQL
- Automation & Scripting: Bash, Python, Terraform
- Monitoring Tools: Prometheus, Grafana

CERTIFICATIONS

- Cloud Computing – Pillai College | 8/2023
- Linux Essential – Naresh IT | 6/2024
- Python Basics – Naresh IT | 8/2024
- DevOps with AWS – Naresh IT | 7/2024