Tanmay Patil

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Professional Summary

DevOps enthusiast with hands-on experience in Docker, Jenkins, and cloud platforms like GCP and AWS. Skilled in Linux system administration, Python scripting, CI/CD pipelines, and infrastructure automation using Terraform and Ansible. Strong problem-solving mindset with a focus on service reliability, monitoring, and post-incident improvements.

Education

SIES Graduate School of Technology   2021-2025
Bachelor of Engineering in Computer Science (CGPA: 8.18 / 10.00)

UTKARHSA JUNIOR COLLEGE   2019-2021
BIFOCAL (COMPUTER SCIENCE) (PERCENTAGE: 89 / 100

SHUBHAM INTERNATIONAL SCHOOL   2007-2019
(PERCENTAGE: 84 / 100)

Projects

DOCKERIZATION AND DEPLOYMENT OF 2048 GAME | *Docker, AWS, Git* | Github Link
- Applied infrastructure-as-code (IaC) using Docker and deployed scalable containerized applications on AWS Elastic Beanstalk.
- Automated deployments with Git and Jenkins, and implemented basic monitoring and logging.
- Practiced incident handling during outages and documented fixes post-resolution

NETWORK ANOMALY DETECTION USING GRAPH EMBEDDING | *Machine Learning, Matplotlib, Scikit-learn* | Github Link
- Built a real-time anomaly detection system using dynamic graph embeddings to model network traffic.
- Applied supervised ML for anomaly classification and used NetworkX to represent evolving node relationships.
- Visualized anomaly trends and implemented model evaluation metrics for detection accuracy.

EXPENSE TRACKER WEBAPP | *React.js, Vue.js, Mongo DB, Express.js, Node.js* | Github Link
- Built a full-stack web app using MERN stack to monitor and analyze expense data in real time.
- Designed backend logic to trigger email alerts for threshold breaches using event-driven architecture.
- Applied structured logging and error handling for backend service reliability.

Technical Skills

Languages: Python, Shell Scripting, C, HTML, JavaScript
DevOps and Tools: Docker, Jenkins, AWS, Git, GitHub, Linux, Terraform, Ansible
Databases: MongoDB, PostgreSQL (Relational NoSQL stores)

Certifications

Python Programming | Certificate Link
- Completed a comprehensive course in Python programming, covering key concepts such as data structures, algorithms, object-oriented programming, file handling, and exception handling.

DevOps-Value Added Course | Certificate Link
- Gained foundational knowledge in DevOps principles, including continuous integration, continuous deployment (CI/CD), containerization with Docker, and infrastructure as code (IaC).
- Worked on practical tasks involving automation, monitoring, and cloud deployment, showcasing proficiency in using tools such as Git, Jenkins, Docker, and AWS.
- Introduced to Google Cloud Platform (GCP) services including BigQuery, Cloud Storage, and Pub/Sub, with a focus on cloud-native DevOps practices and infrastructure provisioning.
- Also learned basics of Linux system monitoring, shell scripting, and incident response techniques used in real-world DevOps workflows.

Web Development Bootcamp | Certificate Link
- Learned full-stack web development, including HTML, CSS, JavaScript, Node.js, and MongoDB.
- Built dynamic projects, like blogs and to-do lists, using RESTful APIs.