ARIJIT DAS

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SUMMARY

Proficient in programming languages, continuous integration, and DevOps practices, with a strong understanding of Kubernetes, AWS, Docker, Terraform, and Python programming. Committed to leveraging technical skills to drive impactful community projects and enhance educational opportunities. Community Volunteer with experience in facilitating educational initiatives for underprivileged children at the Voluntary Health Association of Tripura.

WORK EXPERIENCE

Community Volunteer, June 2025 - July 2025
Voluntary Health Association of Tripura (VHAT), Agartala, Tripura, India
Facilitated educational initiatives for underprivileged children through teaching efforts

EDUCATION

B.TECH in Computer Science and Technology   *June 2023 - May 2027*

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, Kattankulathur, Chennai, Tamil Nadu, India

- CGPA: 8.754

SKILLS

- Programming languages
- Continuous integration
- DevOps practices
- Kubernetes
- AWS
- Docker understanding
- Terraform
- Python programming

CERTIFICATES

UDEMY
- Git Mastery: Beginner to Expert with GitHub & GitLab certified
- Object Oriented Programming in C++ certified
- Total Python: You Can Master Python Programming in 16 Days certified
- Data Structures and Algorithms-Deep Dive into Core Concepts certified
- Deep Dive into Algorithm Design Paradigms certified

ACCOMPLISHMENTS & REWARDS

- ALOHA State-Level 1st Runner-Up (2015): I secured the 1st Runner-Up position in the ALOHA State-Level Competition, showcasing my proficiency in mental arithmetic and focus at a young age. This achievement helped build my logical thinking and confidence.
- Volunteer at VHAT (2025): As a Student Volunteer at Voluntary Health Association of Tripura (VHAT), I contributed to teaching underprivileged children, organizing awareness events, and participating in activities like yoga sessions, tree plantations, and community outreach during my Community Connect program.

PROJECTS

Cloud Monitoring & Hosting on AWS

Deployed and monitored a Node.js application on AWS EC2 with real-time system insights using Prometheus and Grafana.

- Configured Nginx and Node Exporter for performance data collection
- Set up Prometheus to scrape system metrics (CPU, memory, disk)
- Visualized metrics using Grafana dashboards
- Integrated GitHub Actions for basic CI workflows
- 🔗 GitHub

Dockerized Multi-Service Application (DevOps Project)

Built a full-stack application using Docker Compose, simulating microservices architecture with separate containers for frontend (Nginx), backend (Flask API), and MongoDB. Configured environment variables, volume mounts, and Docker networking. Integrated GitHub Actions to automate container build and API testing on every push, mimicking a real CI/CD pipeline.

🔗 GitHub

CI/CD Pipeline for Containerized Web App

Tools: Git, GitHub, Docker, GitHub Actions Description: Implemented an end-to-end CI/CD pipeline for a Dockerized web application using GitHub Actions. Automated linting, testing, image building, and Docker Hub deployment on every code push to the main branch. Demonstrated understanding of containerization, version control workflows, and CI/CD principles.

🔗 GitHub

Terraform AWS Infrastructure Project

Designed and deployed a complete VPC-based infrastructure using Terraform:

- Created a custom VPC, subnet, internet gateway, and route table
- Configured security groups to allow inbound SSH (22), HTTP (80), and HTTPS (443) traffic
- Deployed a network interface with an Elastic IP
- Launched an Ubuntu EC2 instance with Apache2 installed and enabled
- Utilized Terraform variables and outputs for reusability and automation
- 🔗 GitHub

Smart Task Manager with Voice Assistant

Tech Stack: Python, Tkinter, SQLite, pyttsx3, SpeechRecognition
Description:

- Developed a desktop GUI-based task manager enabling users to add, update, or delete tasks via voice commands.
- Integrated SQLite database to persist tasks with due dates and priority.
- Added desktop notifications and voice reminders for daily task summaries.
- Packaged with PyInstaller into a standalone .exe app for Windows.
- Key Skills: Voice Automation, GUI Development, Python OOP, Database Integration
- 🔗 GitHub

Real-Time Weather & Air Quality Dashboard

Tech Stack: Python, Streamlit, OpenWeatherMap API, Plotly
Description:

- Created an interactive web dashboard to display real-time weather and AQI data for any city using external APIs.
- Integrated data visualizations for temperature, humidity, PM2.5 using Plotly charts.
- Added functionality to download results as CSV and deployed on Render.
- Key Skills: API Integration, JSON Parsing, Data Visualization, Streamlit Web App
- 🔗 GitHub

PROJECTS

Resume Parser & Job Match System
Tech Stack: Python, spaCy, PyMuPDF, scikit-learn, Flask
Description:
- Built a web app to extract skills and experience from PDF resumes and match them with job descriptions.
- Used spaCy NLP pipeline to parse and extract relevant information from unstructured text.
- Implemented job-resume match scoring logic and displayed output via Flask-based web UI.
- Key Skills: Natural Language Processing, PDF Parsing, Automation, Flask Web Dev
- 🔗 GitHub

CAREER GOAL

Aspiring DevOps Engineer with strong skills in CI/CD, cloud deployment, and containerization. Passionate about building scalable, reliable systems using tools like AWS, Docker, Prometheus, and Grafana.

LANGUAGES

- English
- Hindi
- Bengali

HOBBIES & INTERESTS

- Playing Tabla
- Swimming
- Reading
- Playing Chess
- Writing Ghazals