

Dhanush Srikakulapu

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Technical Skills

- **Programming Languages:** Python, C++, JavaScript, HTML, CSS, Java, DSA
- **Frontend technologies:** React.js, Angular, Bootstrap
- **Backend Frameworks:** Spring Boot, Node.js, Express.js, Flask, RESTful API Development
- **Databases:** SQL, MongoDB,
- **Cloud and Devops:** AWS, GCP, AZURE, Docker, Kubernetes, Jenkins, Ansible
- **Development Tools:** Git, GitHub, Visual Studio Code, Postman
- **Testing Tools:** Manual Testing, Selenium (Basics), JIRA
- **Methodologies:** Agile/Scrum, Test-Driven Development, CI/CD, Microservices Architecture, SDLC, STLC
- **Operating Systems:** Linux/Unix, Windows

Projects

Deploying a Machine Learning Model with Azure Machine Learning

- Built and deployed a machine learning model using Azure Machine Learning Studio, including dataset preparation, model training, and web service deployment via Azure Container Instance.
- Integrated automated ML and custom Python scripts for model training and testing, with real-time predictions exposed through a REST API.

Building a Real-Time Dashboard with Google BigQuery and Looker Studio

- Designed and implemented a real-time data visualization dashboard using Google BigQuery and Looker Studio for dynamic insights and reporting.
- Connected BigQuery data sets to Looker Studio to visualize KPIs, automate reporting, and enable real-time decision-making through interactive dashboards.

Building a Serverless API with AWS Lambda and API Gateway

- Developed a serverless REST API using AWS Lambda and API Gateway to handle backend logic efficiently without managing servers.
- Integrated the API with DynamoDB for data storage and ensured scalability, high availability, and low operational overhead.

Multi-Cloud Kubernetes Cluster

- Deployed and managed a Kubernetes cluster across multiple cloud platforms (e.g., AWS, Azure, GCP) to ensure high availability and fault tolerance.
- Implemented CI/CD pipelines, load balancing, and network policies to support seamless multi-cloud application deployments.

Full stack E-Commerce platform

- Built end-to-end e-commerce platform using Java Spring Boot (RESTful APIs, JWT auth, MySQL) and React.js (Redux, Bootstrap), handling 500+ concurrent users with real-time inventory.
- Delivered 99.8 percent data consistency via optimized database design and processed 1,000+ daily transactions via secure payment gateway integrations (Stripe/PayPal).

Real-Time Weather Analytics Dashboard

- Engineered a full-stack weather analytics platform using Python Flask backend and JavaScript frontend, processing real-time data from multiple APIs for 10+ cities, with MySQL database integration that improved query performance by 35 percent through optimized indexing
- Developed an interactive web interface using HTML5, CSS3, and vanilla JavaScript featuring dynamic Chart.js visualizations that enhanced user experience by 40

Internships/Experience

Multicloud and Devops Trainee

TechnicalHub – Surampalem, AP (09/2024 – 12/2024)

- Deployed applications on AWS, Azure, and GCP using containerization (Docker) and orchestration (Kubernetes).
- Automated CI/CD pipelines (GitHub Actions/Jenkins) with multi-cloud strategies, reducing deployment time by 40
- Implemented infrastructure-as-code (Terraform) for consistent cloud resource provisioning across platforms.

Full Stack Development Trainee

TechnicalHub – Surampalem, AP (06/2024 – 07/2024)

- Developed and optimized 5+ web applications, improving performance by 30%.
- Designed scalable features using React.js, Node.js, and Express.js, achieving 99.5% responsiveness.

Education

B.Tech in Computer Science

Aditya College of Engineering and Technology, Kakinada

July 2022 – June 2026 (Expected)

Intermediate (Maths, Physics, Chemistry)

Naryana Junior College, Anakapalle

June 2020 – May 2022

Certifications

- Cisco Certified Network Associate (CCNA)
- IT-Specialist Certiport: HTML and CSS, Python, Java Certifications
- Cisco Networking Academy Certifications: C++, C Programming, Python
- Google cloud engineer track certification
- AWS cloud practioner certification
- azure fundamentals

Leadership

Class Representative, Aditya College of Engineering and Technology (01/2024 – Present)

- Advocated for 80+ students, liaising with faculty to address concerns and enhance academic experiences.
- Coordinated events and meetings, increasing student participation by 75%.

Coding Profiles

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- **LeetCode:** leetcode.com/22MH1A05L4
 - **Code Chef:** codechef.com/Dhanushreddy
 - **Geeks For Geeks:** geeksforgeeks.org/dhanush2tm
 - **Hacker Rank:** hackerrank.com/22MH1A05L4
 - **Code Forces:** codeforces.com/ssrikakulapudhanush