

VIVEK KOLLA

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Summary

Computer Science student with a solid understanding of programming, data structures, and web technologies. Experienced in using C++, Java, Python, Machine learning and AWS to build practical projects. Interested in web development, cloud tools, and solving technical problems. Looking for opportunities to work on real-world software and continue learning through hands-on experience.

Education

Aditya College of Engineering and Technology, Bachelor of Technology
Course: Computer Science and Engineering CGPA: 7.5/10.0

Aditya Junior College, Board of Intermediate Education
Course: MPC CGPA: 9.1/10.0

Sri Chaitanya Techno School, Board of Secondary Education
CGPA: 9.9/10.0

Skills

Languages: C Programming, Java, C++, Python, Data Structures and Algorithms

Technologies: AWS Development, Frontend Development, Windows and LINUX Operating Systems, MERN Stack

Database: MySQL, Oracle SQL

Development Tools: Git, GitHub, Visual Studio Code

Professional Skills: Strong Communication Skills, Time Management, Problem Solving, Creativity and Innovation

Internships

Java Intern *Technical Hub, Surampalem* Aug 2024-Dec 2024
Guided students in core Java concepts like OOPs, exception handling, and file operations. Conducted live coding sessions and assisted with logic building and DSA problem-solving. Improved my leadership, communication, and debugging skills through hands-on mentoring

Machine Learning Intern *Jan 2025–May 2025*
Mentored students on fundamental machine learning concepts such as regression, classification, and clustering using Python and libraries like scikit-learn and pandas. Conducted interactive sessions with real-world datasets, guided hands-on model building, and provided personalized support for debugging and optimization. This experience enhanced my technical expertise and strengthened my ability to explain complex topics clearly.

AWS Development and DevOps *May 2024 – July 2024*
Gained hands-on experience on deploying websites and applications to the cloud using AWS services like EC2, S3, and Lambda. Learned how to launch instances, use

IP addresses for public access, and manage cloud storage efficiently. Gained practical knowledge of networking, IAM roles, and setting up secure access controls. Also explored serverless functions and API Gateway to build lightweight backend systems.

Certifications

- AWS - Developer - Associate (DVA-C02) June 2025
- Microsoft - Azure Fundamentals (AZ-900) May 2025
- IT SPECIALIST - JAVA Aug 2024
- Salesforce - AI Associate Oct 2024
- HackerRank - Python (Basic) Dec 2024
- HackerRank - Python (Intermediate) May 2025
- HackerRank - SQL June 2025
- Cisco - NDG Linux Unhatched Aug 2025
- Docker - Docker Essentials Sep 2024
- Cisco - Networking May 2025

Projects

Face Recognition System (OpenCV)

 GitHub [Live Demo](#)

Built a real-time face recognition app using Python, OpenCV, and Haar cascades. Improved accuracy with CNN and added GUI with threading for better performance. Deployed as a desktop attendance system with registration and capture module.

AWS Full-Stack Application Deployment

 GitHub [Live Demo](#)

Created a full-stack app using React, AWS Lambda, API Gateway, and DynamoDB. Secured user authentication with Cognito and integrated CI/CD via GitHub Actions. Used Load Balancer and Auto Scaling for a highly available backend.

YouTube Clone (HTML, CSS, JavaScript)

 GitHub [Live Demo](#)

Developed a YouTube-like UI with iframe video playback and search features. Added dark mode toggle, dynamic sidebar, and performance-optimized design. Used mock APIs and JS DOM for interactive UI and user experience.

Task Manager App (React)

 GitHub [Live Demo](#)

Built a Kanban-style task tracker using React, Redux, and Firebase. Enabled drag-and-drop, real-time sync, and offline support. Included analytics dashboard and deadline reminders.

Portfolio Website

 GitHub [Live Demo](#)

Designed a mobile-first personal site using HTML, CSS, and JavaScript. Hosted via GitHub Pages with clean, professional layout and links. Showcased skills, projects, and certifications in one place.

Climate Educator AI Assistant

 GitHub [Live Demo](#)

Created an AI chatbot with Python and OpenAI API for sustainability awareness. Handled real-time queries on climate topics using NLP techniques. Focused on impact, education, and tech for good.