

Panasaramanna Peddireddi

Bachelor of Technology
Computer Science and Engineering
Aditya University, Surampalem

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GitHub | Website

SUMMARY

Aspiring Software Engineer with a strong foundation in programming, data structures, and core computer science concepts. Former intern at SBTET, AP, with hands-on project contributions in real-world web development. Certified in AWS Developer Associate, Docker, and Networking, with practical skills in cloud computing, DevOps, and modern web technologies.

EDUCATION

Degree	Institute	CGPA/Percentage	Year
B.Tech., CSE	Aditya University, Surampalem	8.53	May 2026
Diploma., CME	Andhra Polytechnic College, Kakinada	92.4%	June 2023

SKILLS

- Programming Languages:** C++, Python, Java, SQL.
- Systems & Concepts:** Data Structures and Algorithms, Object-Oriented Programming (OOP), Computer Networking (TCP/IP, HTTP, DNS), Operating Systems, Machine Learning, Distributed Systems.
- Web Technologies:** HTML, CSS, Tailwind CSS, JavaScript, React.js, Node.js, Express.js, REST APIs.
- Databases:** MySQL, DynamoDB, MongoDB.
- Cloud & DevOps:** AWS (Lambda, DynamoDB, S3, EC2), Docker, Linux.
- Tools & Version Control:** Git, GitHub, NPM, Vite, Agile/Scrum.
- Other:** Debugging, Performance Optimization, Team Collaboration, Time Management.

PROJECTS

- Cloud-Native Expense Tracker [Frontend: [GitHub](#)] [Backend: [GitHub](#)] [[Live](#)]** June 2025 - July 2025
Tools: MongoDB, React.js, Node.js, Express.js, Tailwind CSS, Docker, GitHub Actions, AWS EC2
 - Designed and developed a full-stack expense tracker enabling users to track income and expenses, with visual insights using area graphs.
 - Implemented user authentication with Gmail verification and an interactive chatbot for real-time support.
 - Configured AWS EC2 as a self-hosted GitHub Actions runner to automate the CI/CD pipeline.
 - Automated Docker image builds and deployments on EC2 upon GitHub push events, replacing old containers with the latest version to ensure zero-downtime updates.
 - Currently hosted Frontend on Vercel for public access.
- Vortex – AI-Powered Resume & Data Assistant [[GitHub](#)][[Live](#)]** Feb 2025
Tools: Gemini API, React.js, Tailwind CSS
 - Engineered an NLP-driven chatbot using Gemini API for intelligent query handling.
 - Built a resume-aware chatbot that extracts key details and answers user queries based on uploaded resume content.

EXPERIENCE

- Technical Hub [[Link](#)]** June 2024 - July 2024
AWS Cloud Intern Surampalem, India
 - Built automated backup solutions using AWS (S3, Lambda, EC2) to improve data reliability in a distributed setup. Analyzed cloud storage performance to optimize resource usage.
 - Integrated Python-based backend functions with AWS Lambda for scalable, real-time processing.
- SBTET AP [[Link](#)]** Jan 2023 - June 2023
Front-End Development Intern Mangalagiri, India
 - Developed responsive dashboards and interactive UI for a web app automating educational affiliation.
 - Improved efficiency by 60% through front-end enhancements and task mapping features.
 - Worked on UI/UX design, performance tuning, and iterative improvements in an Agile team.

CERTIFICATIONS

- AWS Certified Developer – Associate, [Amazon Web Services](#)
- Docker Essentials: A Developer Introduction, [IBM](#)
- Introduction to Networks, [CCNA](#)
- IT Academy: Cloud and Virtualization Concepts, [Broadcom](#)
- AWS Academy Cloud Web Application Builder, [AWS Training and Certification](#)
- Postman API Fundamentals Student Expert, [Postman](#)
- Programming Essentials in C++, [Cisco](#)

ACHIEVEMENTS

- Top 10 Finalist – Project Space 2025: Presented a cloud-native expense tracker using a CI/CD pipeline, secured 9th place out of 123 teams, judged by experts from Amazon, Walmart, and Cognizant.
- Commendation from C. Nagarani, IAS, Former Commissioner of SBTET.
- Adapted quickly to evolving tasks during Agile sprints at SBTET internship.
- Winner, District-Level Science Fair (2018), Andhra Pradesh.

CODING PROFILES

- [LeetCode](#) - 300+ Problems Solved.
- [GeeksforGeeks](#) - 150+ Problems Solved.
- [CodeChef](#) - 500+ Problems Solved.