

# Bobby Devarapu

Kakinada, Andhra Pradesh, India

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## Experience

### AWS Development Intern

May 2025 – July 2025

Technical Hub Pvt. Ltd – AWS Developer

Surampalem, Andhra Pradesh

- Orchestrated and managed AWS services to construct a resilient cloud structure, supporting over 5 distinct applications.
- Created 25%-unit tests for cloud configurations using automation tools to ensure system stability, reliability, and compliance with AWS standards, while optimizing processes to boost operational performance.
- Achieved a 30% reduction in deployment times by refining cloud resource allocation with AWS best practices.
- Engineered and launched scalable cloud solutions using AWS frameworks, improving system responsiveness by 15% and enhancing client-server interactions.

### Generative AI with IBM Cloud

June 2025 – July 2025

SmartBridge Educational Services Pvt. Ltd – Gen AI Intern

Remote, Andhra Pradesh

- Excelled in the Short-Term Virtual Internship Program focused on Generative AI with IBM Cloud, successfully completing 100% of assigned milestones ahead of schedule and earning top recognition among peers.
- Spearheaded program success with unwavering dedication, achieving a 98% team performance rating, delivering a 90% accuracy rate in AI model outputs, and demonstrating exceptional teamwork and leadership.
- Developed a prototype for an AI-driven content generation tool using IBM Cloud services, enhancing productivity by 85% during testing phases and receiving positive feedback from industry mentors.

## Projects

### GuardianFlow (Threat Detection System) | AWS Cloud, Python, XGBoost

[Link](#) – October 2025

- Designed and executed an automated machine learning pipeline leveraging AWS S3, Lambda, and SageMaker to ingest, preprocess, and analyze network logs for real-time threat detection.
- Engineered an XGBoost model to classify events as "normal" or "suspicious" with over 90% accuracy (based on test data), utilizing SageMaker Pipelines for end-to-end automation.
- Strengthened system security and scalability through IAM roles and CloudWatch monitoring, delivering sub-second inference latency and reducing manual analysis effort by 80%.

### SimplifAI | React, TypeScript, AWS Cloud

[Link](#) – December 2025

- Pioneered an innovative AI-powered web platform for document analysis, inspired by advanced conversational models, enhancing user comprehension by 90% per initial testing feedback.
- Constructed a serverless backend using AWS Lambda and DynamoDB, integrating free Hugging Face API tools to deliver real-time insights from uploaded files with 95% extraction accuracy.

### LinkSync | HTML, CSS, JavaScript, Node.js

[Link](#) – December 2024

- Crafted an intuitive landing page with HTML, CSS, and JavaScript to streamline URL shortening and elevate link-sharing convenience. Built robust core functionality to shorten URLs, mastering Node.js backend integration.
- Launched a user-friendly interface to manage, ensuring accessibility and rapid deployment, increasing user satisfaction by 85%.

## Relevant Coursework

- |                                  |                               |                                |
|----------------------------------|-------------------------------|--------------------------------|
| • Data Structures and Algorithms | • Object Oriented Programming | • Complexity Analysis          |
| • Software Methodology           | • Database Management         | • Cloud Computing Fundamentals |

## Technical Skills

**Languages:** C, C++, Java, Python, HTML/CSS, JavaScript, SQL.

**Developer Tools:** Eclipse, VS Code, Google & AWS Cloud Platform, N8n.

**Technologies/Frameworks:** Spring Boot, Linux, GitHub.

## Achievements & Certifications

- Hackathon – Actively joined over 10+ GFG and more than 20+ Unstop hackathons, honing skills in competitive coding and teamwork through diverse challenges.
- LeetCode & CodeChef – 3 Coder: Secured 1400+ rating on LeetCode and 1300+ on CodeChef, solving 600+ DSA problems and participating in 30+ contests.
- Certifications: Data Structures & Algorithms, Java IT Specialist (Pearson), AWS Developer Associate (AWS).
- Coding Profiles :** [LEETCODE](#) – [CODECHEF](#) – [CODEFORCES](#) – [GEEKSFORGEEKS](#)

## Education

### Aditya College of Engineering and Technology

2022 – 2026

Bachelor of Technology in Computer Science and Engineering CGPA: 8.0/10

Kakinada, Andhra Pradesh