

# Abhiram Reddy Erukonda

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## SUMMARY

Full Stack Web Developer with expertise in AWS, API integration, and AI technologies, driven by a passion for learning and innovation. Adept at building scalable, high-performance solutions and thriving in dynamic, technology-driven environments. Highly adaptable and quick to learn new tools and frameworks, with a proven ability to deliver results across diverse tech stacks and challenges.

## EXPERIENCE

### Java Development Intern

Cognifyz Technologies

Nov 2024 – Dec 2024

Nagpur, India

- Gained hands-on experience in Java development, from foundational concepts to advanced applications.
- Worked on building scalable and robust software solutions using cutting-edge technologies.
- Enhanced skills in areas like API integration, file handling, multi-threading, and UI design.
- Collaborated with a talented team to solve real-world problems through innovative projects.

### Full Stack Developer Intern

MindShift Technologies

Nov 2024 – Dec 2024

Remote

- Developed a blogging platform using React for the front-end and Node.js/Express for the back-end, connected to MongoDB.
- Implemented user authentication and authorization using JWT to secure the application.
- Designed and implemented CRUD functionality for blog posts and comments.
- Created a responsive UI, including a home page, post details page, and user profile section.

### Full Stack Web Development Intern

CodTech IT Solutions Pvt. Ltd.

Nov 2024 – Dec 2024

Hyderabad, India

- Designed a responsive frontend for a personal portfolio website using HTML, CSS, and JavaScript.
- Built a backend using Express.js/Flask to manage content such as projects and blog posts.
- Developed a simple blog application with a frontend for displaying, creating, editing, and deleting blog posts.
- Set up a backend to handle API requests and manage blog data.
- Utilized MongoDB/PostgreSQL to store and manage blog data effectively.

### AWS Solutions Architect Intern

ICT Academy & AWS Academy

Sept 2024

Hyderabad, India

- Optimized cloud costs for business customers by analyzing usage patterns and implementing cost-saving strategies.
- Developed solutions to solve complex problems in an efficient and innovative manner.
- Collaborated with cross-functional teams to enhance service delivery and customer satisfaction.

### Full Stack Web Developer Intern

Pantech Solutions

Apr 2024 – July 2024

Hyderabad, India

- Designed an API aggregating data from multiple sources, boosting data accessibility by 20%.
- Utilized microservices architecture to enhance application scalability and reliability.
- Reduced deployment time by 50% by implementing a CI/CD pipeline.

### GEN AI Intern

Sangam Solutions

Jun 2024 – July 2024

Hyderabad, India

- Built an AI-powered chatbot integrated with Salesforce to improve customer engagement.
- Automated workflows using Workato, reducing manual tasks by 15%.

### IoT Applications Developer Intern

Technology Learning Center

Jul 2023

Hyderabad, India

- Developed IoT applications with sensor integration, enhancing hands-on experience in device connectivity and data management.
- Gained practical skills in real-world IoT platform implementations.

## PROJECTS

### Smart Summarizer - AI Summaries for YouTube Videos | Python, Whisper, Llama 3.1, Streamlit Nov 2024 – Jan 2025

- Built an app for structured summaries in 12+ languages using Whisper for transcription and Llama 3.1 for summarization.
- Created a Streamlit interface for YouTube URL input, language selection, and real-time progress updates.
- Integrated yt-dlp for video processing, FFmpeg for audio handling, and error handling for invalid inputs.

### Bidirectional Load Balancing in Kubernetes Clusters | Python, Kubernetes, Ingress, Service Mesh Jun 2024 – Sep 2024

- Developed a Kubernetes solution for dynamic ingress/egress traffic load balancing.
- Implemented round-robin balancing with Kubernetes APIs for even traffic distribution.
- Leveraged Ingress controllers and service meshes (Istio/Linkerd) for efficient traffic management.
- Demonstrated improved latency, throughput, and fault tolerance in experiments.
- Published results in ICCIML, showcasing superior performance over traditional methods.

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|---|---------------------|
| <b>Gmail Spam Detector</b>   <i>Python, TensorFlow, JavaScript, Chrome Extension</i>  | Sep 2024 – Oct 2024 |
| <ul style="list-style-type: none"><li>• Built a Chrome extension for Gmail using a TensorFlow model to detect spam emails.</li><li>• Integrated a lightweight JavaScript backend for real-time classification and user feedback.</li><li>• Designed a user-friendly interface for marking emails as spam/non-spam to improve accuracy.</li><li>• Ensured secure data handling and compliance with Gmail API policies.</li></ul> |                     |
| <b>AI Crop Disease Prediction System</b>   <i>Python, Flask, React, TensorFlow</i>  | Jun 2024            |
| <ul style="list-style-type: none"><li>• Developing an AI tool to predict crop diseases from images and provide actionable treatment suggestions.</li><li>• Using TensorFlow for detection and Flask for API integration.</li></ul>  |                     |
| <b>Hate Speech Detection</b>   <i>Python, scikit-learn, NLP</i>   | Mar 2024 – May 2024 |
| <ul style="list-style-type: none"><li>• Created an 85%-accurate NLP model to detect hate speech, aiding content moderation.</li></ul>   |                     |

TECHNICAL SKILLS

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Programming: C, C++, Java, Python

Web Development: HTML, CSS, JavaScript, Full Stack

DevOps: Docker, Kubernetes

Cloud: AWS (EC2, S3, Lambda, RDS)

Tools: Salesforce, Workato, CI/CD, Microservices

AI: Generative AI, Automation, Chatbot Integration

EDUCATION

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|---|-------------------------|
| <b>Bachelor of Technology in Computer Science and Engineering</b>   | Expected Jul 2025       |
| <i>Nalla Narasimha Reddy Education Society</i>  | <i>Hyderabad, India</i> |
| <ul style="list-style-type: none"><li>• Placed 2nd in a college-hosted hackathon, demonstrating strong problem-solving and innovation.</li><li>• Served as Class Representative and Year Leader, showcasing leadership skills and organizational abilities.</li><li>• Ranked in the top 15 students in the college.</li></ul> |                         |

CERTIFICATIONS

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AWS Solutions Architect

Full Stack Web Development – *Pantech Solutions*

Machine Learning with Python

JNTU Robotics

GEN-AI Hackathon

IoT Applications

Smart India Hackathon

Java Development Intern

Full Stack Web Development Intern – *CodTech IT Solutions*

Full Stack Web Development Intern – *MindShift Technologies*