RAHUL KOTHURI

Tirupati, Andhra Pradesh

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SUMMARY

A B.Tech Data Science graduate with expertise in machine learning, cloud engineering, and data science. Adept at creating data-driven applications and automating workflows using AWS services. Ready to contribute technical proficiency and a passion for innovation to a forward-thinking team.

EDUCATION

Mohan Babu University   **2022 – 2026**
*B.Tech in Data Science - **CGPA** - **9.45***

EXPERIENCE

Shata Events Pvt Ltd   **March 2025 – Present**
Cloud Engineer - Freelance
- Engineered a robust backend architecture for user and partner applications using **Next.js**, enabling seamless integration with **AWS services** such as DynamoDB, ECS and S3, which reduced infrastructure costs by **20%**.
- Implemented real-time data processing and deployment pipelines, ensuring high availability and scalability while integrating **Swagger UI** for comprehensive API documentation, streamlining development workflows.

PROJECTS

Cloud Nestor: Cloud Learning Platform ⌐

- Built a full-stack web application with a React-powered frontend and Node.js backend, incorporating **Supabase** for secure user authentication and efficient real-time data management.
- Integrated the **PhonePe payment gateway** and deployed the platform on **Vercel**, delivering key features such as mock exams and video recordings to provide a seamless and interactive learning experience.
- **Tech Stack:** React, Node.js, Supabase, PhonePe Payment Gateway, Vercel

Safe Link: Phishing Email Detection & Reporting System ⌐

- Developed a phishing email detection system using a fine-tuned **DistilBERT** model, achieving a 98% accuracy rate in identifying phishing attempts.
- Integrated **LLMs** to analyze detection scores and generate comprehensive reports on email safety, providing tailored precautionary measures with a user-friendly front-end using **Next.js**, deployed on **Vercel**.
- **Tech Stack:** Python, DistilBERT, LLMs, Next.js, Vercel

TECHNICAL SKILLS

Programming Languages: Python, Java, C, SQL, R programming
Developer Tools/Frameworks: VS Code, Git, GitHub, Linux, Tableau, ReactJS, NextJS
Cloud and DevOps Tools: AWS, GCP, Azure, Docker, Kubernetes, Terraform, Jenkins
Soft Skills: Leadership, Team Collaboration, Project Management, Communication

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Google Advanced Data Analytics
- Oracle Generative AI Professional
- GitHub Foundations Certification
- IBM Data Analytics Certification
- Oracle Data Engineer Associate

PUBLICATIONS

Pollutants and Heavy Metals Detection in Water Samples Employing Artificial Intelligence   December 2024
- **Authors:** Madhusudhan Reddy Basru, *Rahul Kothuri*.

ACHIEVEMENTS

- Won **IBM Expert Labs National Hackathon 2025** competing against 100+ teams across India.
- Appointed as **AWS Cloud Club Captain - India Region**, leading more than 1,000 students in learning AWS.
- Awarded **First Place** in the **IBM Technical Project Presentation** for developing project on RAG.
- Secured **First Place** in the **AI Autonomous Hackathon 2025**, for building an autonomous vehicle.