

## OBJECTIVE

Electronics and Communication Engineering student with hands-on experience in building and deploying cloud-native and serverless applications on AWS. Skilled in AI backend development, CI/CD automation, and scalable system design. Actively seeking cloud, backend, or AI engineering roles to apply real-world project and internship experience.

## WORK EXPERIENCE

### Rooman Technologies | AI Agent Developer Intern

Jan 2026 – Present

- Architected and deployed scalable AI agent applications on AWS cloud infrastructure (EC2, Amplify), implementing containerized backend services using Docker and establishing automated CI/CD pipelines for seamless production deployments.
- Engineered infrastructure-as-code solutions and automated deployment workflows using Git/GitHub and DevOps tools, securing cloud environments with HTTPS/SSL configurations and monitoring system performance for 99%+ uptime.

## PROJECTS

### 1. Automated Cloud-Native Portfolio Deployment on AWS Fargate:

- Automated the deployment of my personal portfolio by building a complete CI/CD pipeline with GitHub Actions, Docker, Terraform, and AWS Fargate, so every GitHub push instantly updates the live site without manual steps.
- Created a fully containerized, scalable cloud setup where Terraform provisions AWS resources, GitHub Actions builds and ships Docker images to ECR, and ECS performs rolling updates for smooth, zero-downtime portfolio releases.
- Technology Used:** AWS, Terraform, Docker, GitHub Actions, Git & GitHub
- Repository:** <https://github.com/Hasham-03/portfolio-fargate>

### 2. AI Assistant Platform(AWS Serverless + Bedrock + Cognito + DynamoDB):

- Built a serverless AI chatbot using AWS Lambda, API Gateway, Bedrock, DynamoDB, Cognito, and Next.js.
- Implemented secure login with Cognito Hosted UI and stored chat history in DynamoDB.
- Deployed frontend using AWS Amplify and managed CORS, IAM permissions for production deployment.
- Technology Used:** Next.js, Amazon Bedrock, DynamoDB, Cognito, API Gateway, Python(Boto3), Lambda.
- Live demo:** <https://main.d33idnq08aawk7.amplifyapp.com>

### 3. Real-time Resume Builder Web App with n8n:

- Developed a full-stack application for styled PDF resume generation, featuring a real-time preview frontend and an automated n8n as backend.
- Deployed the entire application on AWS, hosting the frontend on Amplify and a containerized n8n backend on EC2 secured with HTTPS.
- Technology Used:** Next.js and TypeScript, n8n, Docker, AWS(Amplify, EC2), Caddy, Git, Github
- Live Demo:** <https://share.google/kunL76Bvq0HtMlvbR>

## EDUCATION

<b>SJC Institute of Technology College of Engineering, Karnataka, India (Pursuing)</b>	<b>2022-2026</b>
Bachelor of Engineering in Electronics and Communication Engineering - 7.3 CGPA	
<b>Vidhyadri PU College, Karnataka, India</b>	<b>2020-2022</b>
Science (PCMB): PUC (12th) = 82%	
<b>Maya English High School, Karnataka, India</b>	<b>2019-2020</b>
SSLC (10th) = 88%	

## SKILLS

**Programming Languages:** Python, JavaScript

**Frameworks/Libraries:** NumPy, Pandas, React.js, Pillow, Boto3

**Cloud:** AWS(Amplify, API Gateway, Cognito, EC2, S3, Lambda, IAM, CloudWatch, Fargate, Bedrock, VPC, Cloufront, SNS, SQS)

**Devops:** Terraform, Docker, GitHub Actions

**Databases:** MongoDB, DynamoDB, MySQL, RDS

**Platform & Automation Tools:** Linux(Ubuntu), Git & GitHub, VS Code, n8n, Cursor

## CERTIFICATIONS

### 1. AWS Solution Architect Job Simulation | Forage – 2025

- Gained practical experience in designing a simple, scalable, and resilient cloud architecture based on AWS