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MOHAMMED HASHAM

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OBJECTIVE

Electronics and Communication Engineering student with strong skills in full-stack development, cloud deployment (AWS), and Python. Seeking opportunities to apply hands-on project experience in AI-driven applications and web development.

PROJECTS

1. **Resume Builder – Full Stack Web Application:**
   - Developed a full-stack application for styled PDF resume generation, featuring a real-time preview frontend and an automated 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://myresumebuilder.com

2. **Serverless Image Processing API:**
   - Architected an event-driven, serverless image processing API that automatically resizes images upon upload to an S3 bucket. Leveraged AWS Lambda and Boto3 to reduce processing costs and improve scalability compared to a traditional server-based approach.
   - **Technology Used:** AWS (Lambda, S3, IAM, CloudWatch) · Python · Pillow · Boto3 · Git · GitHub
   - **Repositery:** https://aws-03/githubrepo.com

3. **Serverless GenAI Chat Application(AWS)**
   - Developed a serverless AI application with a Next.js frontend hosted on AWS Amplify and a Python-based backend running on AWS Lambda through API Gateway. The system integrates Amazon Bedrock for AI model interaction, delivering fast, reliable, and secure responses through a RESTful architecture.
   - Designed the project with a fully decoupled architecture for scalability, low cost, and easy maintenance. Implemented CI/CD pipelines on Amplify to automate deployment and ensure consistent performance. The application is live and production-ready.
   - **Live demo**: https://chatbot.myai03.amplifyapp.com

EDUCATION

SJC Institute of Technology College of Engineering, Karnataka, India   (Pursuing)   **2022-2026**
Bachelor of Engineering in Electronics and Communication Engineering - 7.1 CGPA

Vidhyadri PU College, Karnataka, India   **2020-2022**
Science (PCMB): PUC (12th) = 82%

Maya English High School, Karnataka, India   **2019-2020**
SSLC (10th) = 88%

SKILLS

Programming Languages: Python, JavaScript
Frameworks/Libraries: NumPy, Pandas, React.js, Pillow, Boto3
Databases: MongoDB, DynamoDB
Cloud & Devops: AWS(Amplify, EC2, S3, Lambda, IAM, CloudWatch), Terraform, Docker
Platform & Automation Tools: Linux(Ubuntu), Git & GitHub, VS Code, n8n
Soft Skills: Problem solving, Communication skills

CERTIFICATIONS

1. **AWS Solution Architect Job Simulation | Forage – 2025**
   - Gained practical experience in designing a simple, scalable, and resilient cloud architecture based on aws
   - Completed hands-on tasks simulating the responsibilities of a Solutions, Architect and focusing on Core cloud design principles.