INAYATH MOHAMMED

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• GITHUB=https://github.com/Inayath786

OBJECTIVE:

"Full-Stack Developer with strong expertise in MERN Stack, AWS DevOps, and system design. Skilled in architecting and building scalable, high-performance web applications using Node.js, React.js, Express.js, and MongoDB. Experienced in designing fault-tolerant systems, implementing microservices, CI/CD pipelines, and leveraging AWS services (EC2, S3, RDS, Lambda) for cloud infrastructure. Adept at optimizing application performance, database design, and deploying robust, secure solutions. Seeking a challenging role to apply technical and system design skills to deliver innovative software solutions."

EDUCATION:

Bachelor of Technology: 2021-2025
    Electronics and Communication engineering in JNTU Pulivendula
    Passed with an aggregate of 7 percentage

Board of intermediate education   2019-2021
    MPC in APRJC college chittoor
    Secured an aggregate of 98 percentage

CERTIFICATIONS:

FULL STACK DEVELOPMENT:

Data valley   📅 Jun 2024 to Jul 2024   Vizag

I have successfully completed **MERN Stack Development** training at **DataValley.ai**, where I gained hands-on experience in building full-stack web applications using **MongoDB, Express.js, React.js, and Node.js**. During this program, I developed dynamic frontend interfaces, integrated robust backend APIs, and managed database operations efficiently. The training also emphasized real-world project implementation, version control with Git, and best practices in clean code, debugging, and deployment. This experience significantly strengthened my ability to build scalable, end-to-end web solutions.

AWS and DEVOPS

VCUBE SOFTWARE SOLUTIONS   📅 Feb 2025 to June2025   Hyderabad

Passionate and hands-on Full-Stack Developer transitioning into a Cloud & DevOps Engineer role, with a strong foundation in AWS and modern DevOps tools. I have built and deployed scalable applications using core AWS services including EC2, S3, RDS, VPC, Load Balancers, Auto Scaling, IAM, CloudFront, Route 53, and CloudWatch. I've implemented CI/CD pipelines using Jenkins and GitHub Actions, containerized applications with Docker, and managed orchestration with Kubernetes and EKS. I'm proficient in infrastructure automation using Terraform and shell scripting.

SKILLS:

Web Development: MERN Stack (MongoDB, Express.js, React.js, Node.js), REST APIs.

Cloud & DevOps: AWS (EC2, S3, RDS, Lambda, CloudFront, Route 53), Docker, Kubernetes, CI/CD (Jenkins, CodePipeline)

System Design & Architecture: Scalable system design, microservices, database modeling,, caching, load balancing, fault-tolerant systems, high availability

Other Skills: Git & GitHub, Version Control, API Integration, Problem Solving, Figma ,Postman, Microsoft Office

PROJECTS:

AWS mini Projects :

- Configured Elastic Load Balancers and Auto Scaling Groups to ensure high availability and scalability.
- Used Route 53, ACM, and CloudFront for DNS management, HTTPS support, and global content delivery.
- Implemented CI/CD pipelines with CodePipeline and CodeBuild for automated deployments.
- Built serverless workflows using AWS Lambda, API Gateway, SNS, and DynamoDB for event-driven tasks.
- Monitored systems using CloudWatch, enabled logging with CloudTrail, and secured access via IAM roles.

Doctor-Patient Management System – Designed and developed a scalable MERN Stack application with appointment scheduling, slot management, and MongoDB indexing. Applied system design principles (caching, load balancing, database modeling) and deployed on AWS (EC2, S3, RDS, CloudFront).

Blog Application – inayathwrites.space
Developed a responsive, SEO-optimized blogging platform using React.js with a clean, minimal UI for enhanced readability. Designed component-based architecture for scalability and easy feature expansion. Implemented client-side routing with React Router, lazy loading for performance optimization, and responsive layouts for cross-device compatibility.

Stock Analysis App (AI-Integrated) – Built an **AI-powered analytics platform** to predict stock trends using **machine learning APIs** such as **Yahoo Finance API** (real-time market data), **Alpha Vantage API** (historical data), and **TensorFlow.js** (in-browser ML predictions). Applied **system design principles** like asynchronous data pipelines, API rate-limiting handling, caching for repeated queries, and scalable backend services on AWS.

Financial Chatbot (AI-Integrated) – Developed an **NLP-based chatbot** for personalized investment guidance using **OpenAI API** (language processing), **Dialogflow API** (intent recognition), and **Twilio API** (SMS/WhatsApp integration). Designed with **API Gateway** for request routing, message queues for asynchronous processing, and secure database storage with MongoDB Atlas.