Churakanti Manohar Reddy

Aspiring DevOps Engineer

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Motivated and passionate IT student with hands-on experience in deploying projects on AWS, seeking an opportunity to expand skills and knowledge in a multinational company. Eager to contribute to innovative projects and learn from industry professionals, with a strong interest in DevOps and cloud computing.

TECHNICAL SKILLS

- **Operating Systems:** Linux (knowledge of OS internals, command line usage, bash scripting)
- **Languages:** Java 8, HTML, CSS, JavaScript
- **Database:** MySQL
- **Cloud:** AWS (Basic knowledge of cloud platforms)
- **Developer Tools:** Visual Studio Code
- **Version Control:** Git & GitHub
- **Other:** Data Structures & Algorithms, Docker, Kubernetes, Jenkins
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EDUCATION

- **Kalasalingam University**
  Madurai, Tamil Nadu
  Bachelor of Technology in Computer Science and Engineering
  [2022-2026]
- **Sri Chaitanya Jr College**
  Miyapur, Telangana
  Major: MPC
  [2020-2022]
- **Sri Sai Public School**
- Patancheru, Telangana
  [2012-2020]

SOFT SKILLS

Verbal & Written Communication

Flexibility

Time Management

Attention to detail

PROJECTS

Deployed Node.js Application on AWS EC2

- **Cloned Project:** https://github.com/verma-kunal/AWS-Session.git
- **Set Up Environment:** Configured .env file with necessary variables.
- **Initialised & Started:** npm install and npm run start.This is on local machine.
- **Set Up AWS EC2:**
  - Launched Ubuntu instance (t2.micro).
  - Connected via SSH and configured environment.
- **Deployed Project:**
  - Cloned and set up the project on EC2.
  - Assigned Elastic IP and updated security group rules to allow traffic.
- **Result:** Successfully deployed Node.js application on AWS EC2

Deployed a scalable Node.js server using AWS services and Docker

- **AWS Configuration:** Deployed Node.js application on EC2 with Nginx and PM2; used Elastic Beanstalk for autoscaling and S3 for static resources.
- **CI/CD Pipeline:** Set up AWS CodePipeline for automated integration and deployment; managed source control with GitHub.
- **Monitoring:** Implemented CloudWatch for performance tracking and created alerts for issues.
- **Security:** Configured IAM roles and security groups for secure application deployment.
- **Docker Integration:** Containerised application to ensure environment consistency.
- **Advanced Features:** Added Elastic Load Balancer and Auto Scaling for traffic management and resource