DEEPAK BABU PAMPANA

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EDUCATION

Aditya College Of Engineering | Surampalem   **May 2025**
B.Tech in Artificial Intelligence and Machine Learning   *CGPA: 7.8*

Sri Chaitanya College | Rajamahendravaram   **Aug 2021**
Board of Intermediate Education   *CGPA: 9.6*

TECHNICAL SKILLS

Programming Languages: C/C++, JavaScript , Python, MySQL , Machine Learning

Tools: VS code, Eclipse, Spyder, Jupyter, Docker, Jenkins, Github

Technologies : Amazon Web Services (AWS),Oracle Cloud, Linux, DevOps

libraries / Frameworks: Reactjs, react-bootstrap

EXPERIENCE

AWS and DevOps Trainee
Technical Hub   *Surampalem, India*

- As an AWS and DevOps Trainee, I gained hands-on experience in cloud computing and infrastructure automation.
- Supervising the architecting and deployment of applications within AWS platform and services
- Working knowledge of tools used in the AWS environment, such as Ansible, Docker, Jenkins, among other tools necessary for application building and deployment.

PROJECTS

Facial Recognition App:
Utilized AWS rekognition and lamada, DynamoDB and S3 bucket

- Developed a facial recognition system using **AWS Lambda and Rekognition**, accurately identifying faces in images with advanced machine learning.
- Implemented a serverless architecture with AWS Lambda, ensuring scalability and cost-effectiveness by dynamically allocating computing resources based on demand.
- Amazon DynamoDB to manage metadata for recognized faces, leveraging its scalability and low-latency NoSQL database solution.Amazon S3 for secure storage of face-containing images ensuring data durability, scalability, and adherence to industry-leading security standards.

AI-Powered Quiz Generation and Skill Assessment
Utilized Reactjs and react-bootstrap , MangoDB , OpenAI , Nodejs , Oracle Services , Firebase

- Developed a dynamic learning platform for **users to develop and test skills** in AWS, Salesforce, Web Development, and more. Implemented **OpenAI** technology for generating dynamic quizzes on diverse topics, enhancing user engagement.
- Implemented **Firebase authentication** to enable secure user authentication, login, and sign-up processes. Utilized MongoDB to efficiently store user registration data for seamless management.
- Positioned the platform as an innovative educational tool, leveraging **AI-driven quizzes** and **personalized learning pathways** to empower skill enhancement. Deployed application using **Oracle** instance and **VPC services**.

CERTIFICATIONS

- **Programming Essential in C language**   *Issued by Cisco*
- **IT Essential in Python Language**   *Issued by Certiport*
- **Oracle JAVA Foundations**   *Issued by Oracle*
- **Microsoft Azure AI Fundamentals**   *Issued by Microsoft*

ACCOMPLISHMENTS

- 200+ programs Completed in GeeksForGeeks.
- 200+ programs Completed in Leetcode.
- Attained **5 star** python , java and c++ badges in HackerRank.
- Achieved 2nd place in the Oracle Cloud challenge for developing a React AI-Quiz application HackerRank.