# CHINDAM VIVEK

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## Summary

Highly motivated and analytical **Computer Science Engineering** graduate from **Vaagdevi Engineering College, Warangal**. Possessing a strong academic foundation in Machine Learning and Computer Vision through impactful mini and major projects. Currently undergoing intensive training in **AWS DevOps**, eager to apply theoretical knowledge and practical skills in cloud infrastructure, automation, and CI/CD pipelines, combined with a data-driven problem-solving approach, to contribute to a dynamic organization as an entry-level DevOps Engineer.

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## Education

**Vaagdevi Engineering College, Warangal**

**B.Tech in Computer Science Engineering (CSE)**

Graduation: July 2025             CGPA:

Relevant Coursework: Cloud Computing, Operating Systems, Computer Networks, Data Structures & Algorithms, Machine Learning, Computer Vision, Software Engineering

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## Skills

- **Cloud Platforms:** Amazon Web Services (AWS)
- **DevOps Tools:** Git, Docker, Jenkins, Git hub , Git lab , Ansible , Terraform, Kubernetes
- **Programming Languages:** Python, C, Bash Scripting , YAML, Json
- **Machine Learning:** Supervised Learning, Unsupervised Learning
- **Operating Systems:** Linux (e.g., Ubuntu, CentOS), Windows
- **Networking & Security Concepts:** VPC, Security Groups, IAM, DNS, Load Balancing
- **Databases:** MySQL
- **Other Tools/Concepts:** CI/CD Pipelines, Infrastructure as Code (IaC), Containerization, Monitoring & Logging , Agile Methodologies, Data Analysis, Scikit-learn, TensorFlow/PyTorch

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## Projects:

**Major Project:** RAILWAY SENTRY: DETECTING WORKERS ON RAILWAY TRACKS USING COMPUTER VISION

(YOLOv9)

- **Description:** Developed an intelligent real-time surveillance system utilizing Computer Vision and the advanced YOLOv9 model to accurately detect human presence on railway tracks. This project aimed to enhance railway safety by providing early warnings.

- **Technologies Used:** Python, YOLOv9 (Deep Learning framework), OpenCV (Computer Vision library), potentially TensorFlow/PyTorch , Image Processing Libraries.

- **My Roal**: Designing and implementing the computer vision system for worker detection on railway tracks.
  Developing and training the object detection model using YOLOv9.

**Mini Project:** IDENTIFYING AIRLINE PASSENGER SATISFACTION USING MACHINE LEARNING

- **Description:** Developed a predictive model using various Machine Learning algorithms to analyze airline passenger feedback and classify their satisfaction levels. This project aimed to extract actionable insights for service improvement.

- **Technologies Used:** Python, Scikit-learn (Machine Learning library), Pandas (Data Analysis), NumPy (Numerical Computing), Matplotlib/Seaborn (Data Visualization), potentially Jupyter Notebook.

- **My Roal**: Collaborated on data preprocessing, algorithm implementation, and result analysis using Python with libraries like Scikit-learn, Pandas, NumPy, and Matplotlib/Seaborn.
  Played a crucial role in deriving actionable insights from the analyzed data to inform service improvement strategies.

## Workshops

**AWS DevOps Training Program** in
Career Bridge IT Solutions, Hyderabad, Telangana
**Duration:** April 2025 - current
**Key Modules Covered:**
- Fundamentals of AWS Cloud Computing and core services (EC2, S3, VPC, IAM, RDS, Lambda).
- Deep Dive into Version Control with Git, GitHub/GitLab, and branching strategies.
- Designing and Implementing CI/CD Pipelines (Jenkins, AWS CodePipeline, CodeBuild, CodeDeploy).
- Containerization and Orchestration with Docker and Introduction to Kubernetes (EKS concepts).
- Infrastructure as Code (IaC) using Terraform and AWS CloudFormation.
- Configuration Management with Ansible.
- Monitoring, Logging, and Alerting in AWS CloudWatch, CloudTrail, ELK Stack concepts.
- Scripting for Automation ,Python, Bash.

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## Activities and Interests

- Enjoy A ending and Participating in Paper Presentations.
- Event organizer in my college annual events.
- Never-ending thirst to learn new books.
- Always ready to implement innovative ideas with enthusiasm.

I Here by declare that all the information provided above is true of the best of my knowledge

Name :  VIVEK CHINDAM