

# Vemula Sai Ruchitha

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## Career Objective

- Motivated and detail-oriented learner with strong problem-solving skills, pursuing a career in **Artificial Intelligence, Machine Learning, and Full-Stack Development**. Skilled in **data analysis, text analytics, and data visualization**, along with hands-on experience in building applications and automating deployments using **Jenkins, Docker, and Kubernetes**. Seeking an opportunity to contribute to impactful projects while continuously growing as a versatile engineer.

## EDUCATION

- KL University** Vijayawada, India  
*Computer Science and Engineering GPA: 9.94/10* November 2025 - Present
- Sri Chaitanya Junior College** Vijayawada, India  
*Intermediate(MPC), Telangana State Board of Intermediate Education: 97%* May 2021 - April 2023

## COMPETITION/CONFERENCE

- Active Competitive Programmer on **CodeChef (klu2300032021)**
- LeetCode** – solved 100+ problems; practicing Data Structures & Algorithms
- Solving problems across **Codeforces, InterviewBit, and HackerRank**
- Participated in multiple online coding contests on CodeChef & Codeforces
- Selected for **Smart Interviews Programming Training**, shortlisted among **5000+ students** and ranked within the **top 500**

## INTERNSHIP EXPERIENCE

- AI/ML Intern — Averixis Solutions (Virtual)** Sep '25 - Present
  - Sharpened talents in AI/ML model evaluation, enabling the identification and resolution of two edge cases in model predictions, and contributing to a more robust and reliable model performance.
  - Working on **mini projects** involving supervised and unsupervised learning, with exposure to real-world datasets
  - Will be progressing to **major AI/ML projects**, contributing to end-to-end model development and deployment
  - Gaining practical experience with **Python, NumPy, Pandas, Scikit-Learn**, and basic deep learning concepts

## PROJECTS

- Employee Management System** Sep '24 - Oct '24
  - Developed an Employee Management System using **Django, React, and MySQL** with efficient handling of **Employee, Trainer, and Admin** roles
  - Implemented key features like employee registration, attendance tracking, trainer management, salary tracking, and secure role-based login
  - Built REST APIs in Django and integrated them with a responsive React frontend for smooth user interaction
- Flavoury Food Delivery App** Apr '24 - May '24
  - Built a full-stack food delivery application using **Node.js, Spring Boot, and MySQL** to handle real-time order processing
  - Implemented customer features including restaurant browsing, item selection, cart management, and order placement
  - Designed secure backend services in Spring Boot for order handling, delivery tracking, and user authentication
- Food Delivery App with CI/CD Implementation** Sep '25 - Nov '25
  - Deployed a food delivery application using a complete **CI/CD pipeline** with **Jenkins, Docker, and Kubernetes**
  - Containerized backend and frontend services using Docker and configured automated builds and deployments with Jenkins
  - Orchestrated application deployment on Kubernetes clusters, ensuring high availability and scalable load management
  - Automated deployment and configuration tasks using Ansible, ensuring consistent environment setup and smooth application delivery

## AWARDS AND ACHIEVEMENTS

- Secured a **CGPA of 9.94**, earning the **Academic Excellence Award** in the CSE department
- Earned **CEFR Level B1** in English proficiency with an **Average Score of 156**
- Completed **NPTEL Certification in Programming in Java** with a score of **63%**, demonstrating strong foundational proficiency in core Java concepts
- Completed multiple Coursera certifications, including **DevOps on AWS, Project Management, CI/CD Foundations, and Kubernetes for Beginners with Hands-on Labs**, strengthening my skills in modern DevOps and cloud practices

## SKILLS AND EXPERTISE

- Languages:** C/C++, Python, Java, SQL
- Operating Systems:** Windows, Linux
- Tools and Frameworks:** React, SpringBoot, NodeJS, VSCode, Git, Jenkins, Docker, Kubernetes, Ansible

## POSITIONS OF RESPONSIBILITY

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- **Event Manager — Cyber Security & Compliance Club** Sep '23 - Present
  - Conducted **cybersecurity awareness sessions** for students, educating them on **safe online practices** and digital risk prevention
  - Organized **campus-level workshops** to help students understand **cyber threats**, secure usage habits, and responsible digital behavior

## COURSEWORK INFORMATION

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- Design and Analysis of Algorithms (Theory and Lab) • Operating Systems(Theory and Lab)
- Database Management Systems (Theory and Lab) • CI/CD and Cloud DevOps (Theory and Lab)
- Probability and Statistics • Theory of Computations