# VANDRANKI HARSHAVARDHAN

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## PROFESSIONAL SUMMARY

Passionate and goal-oriented Computer Science student with a strong foundation in web development, artificial intelligence, machine learning, cloud computing, and UI/UX design. Skilled in building scalable, user-centric applications and integrating modern technologies to enhance functionality and performance. Demonstrates a continuous learning mindset and seeks opportunities to contribute to impactful projects while advancing as a full-stack developer

## EDUCATION

**Maharaj Vijayaram Gajapathi Raj (MVGR) College of Engineering** **2022-2026**
B.tech , Computer Science and Engineering CGPA:8.31

**Sri Chaitanya Junior College** **2020-2022**
Intermediate - MPC 88.6%

**Sri Chaitanya Techno School** **2019-2020**
SSC 100%

## SKILLS

**Languages:** Java,Python, C++, C , HTML, CSS, JavaScript, Tailwind CSS, React.js
**Backend & Databases:** Firebase, MongoDB , MySQL
**Tools & Libraries:** OpenCV, Tesseract OCR , Git, VS Code
**Concepts:** OOP, DBMS, Data Structures, Machine Learning, Big Data

## PROJECTS

**Perfect Resume – MERN Stack Resume Builder** **Dec 2024-Feb 2025**

**Technologies :** MongoDB, Express.js, React.js, Node.js, RapidAPI

- Developed a dynamic resume builder web app with customizable industry-standard templates.
- Integrated LinkedIn data scraping using RapidAPI for automated resume population.
- Enabled real-time resume preview with React.js to enhance user interactivity.

**Helmet Detection Using YOLO – Real-Time Object Detection** **Nov 2024-Dec 2024**

**Technologies:** YOLO, Python, OpenCV, Deep Learning, Darknet, TensorFlow, PyTorch

- Developed a real-time helmet detection system using the YOLO (You Only Look Once) object detection algorithm
- Processed live video streams to detect and classify individuals based on helmet usage for safety compliance
- Implemented bounding box annotations to differentiate between helmeted and non-helmeted persons
- Optimized detection pipeline for real-time performance with low latency and high accuracy
- Designed for deployment in industrial environments, construction sites, and traffic surveillance systems

**Smart OCR – Automated Text Extraction System** **July 2024-Oct 2024**

**Technologies:** Python, OpenCV, PyMuPDF, Tesseract

- Built an OCR pipeline to extract text from scanned PDFs and images
- Applied preprocessing (grayscale, denoising, thresholding) to improve accuracy
- Used Tesseract to convert images into structured text for document digitization

## PROFESSIONAL EXPERIENCE

**AI/ML Virtual Internship – EduSkills x Google (Remote)** **Apr 2025-Jun 2025**

- Built neural networks and object detection models using TensorFlow
- Developed ML pipelines for image classification and product search
- Applied model training, validation, and evaluation techniques for computer vision tasks

## CERTIFICATIONS

- AWS Academy Cloud Foundations – Amazon Web Services (2024)
- Cloud Computing certification by NPTEL.
- Leadership and Team Effectiveness by NPTEL
- Frontend Web Developer from Infosys Spring Board
- Accenture Software Engineering Virtual Internship – Forage (2025)