

# Vudayana Chaitanya Kumar

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## OBJECTIVE

A final-year Computer Science student with strong programming knowledge like OOPs, DSA, and many more programming languages, eager to contribute to innovative projects and learn from industry leaders through an internship opportunity.

## EDUCATION

### Vellore Institute of Technology, Amaravati, Andhra Pradesh

*B.Tech in Computer Science & Engineering Spec. with AI & ML*

*Aug 2021 – Sep 2025*

## EXPERIENCE

### Prayana Electric, Full-stack Developer - Intern

June 2024 – August 2024

*VIT-AP University*

*Amaravati*

- Created a responsive website that increased engagement and improved load times by 30%.
- Improved SEO and highlighted electric bikes to align with the brand.

### English Literary Association, ELA

Part-time

*Extra Curricular Activity, club*

- Joint Secretary (Jul23-Mar24), Design Team Lead (Feb23-Jul23), Technician Team Lead (Aug22-Feb23), Member (Dec21-Aug22)

## PROJECTS

### Smart Mining Safety Helmet | *Li-Fi technology, Arduino*

- Won 1st Place at VIT-AP University, chosen by the DRDO Chief.
- Implemented cutting-edge technologies, such as IoT sensors to monitor workers' health, AI algorithms to predict and prevent accidents, and real-time data analytics to provide immediate emergency assistance.

### Smart Street Light System | *PIR sensor, Arduino*

- Used infrared sensors to detect vehicle movement detection, ensuring lights turned off during inactivity.

### Website on malaria prediction and health calculator | *HTML, CSS, Javascript, PHP, MYSQL*

- Designed for the Indian government's public health initiatives.

### Skin Cancer Detection with Deep Learning | *CNN, ML, python, data science, tensorflow, kaggle*

- Achieved high accuracy in distinguishing between benign and malignant skin lesions by automatically learning intricate patterns and features.

### Voice-controlled WhatsApp messaging | *python*

- Used speech recognition and the WhatsApp API for automated messaging.

## TECHNICAL SKILLS

**Coding Languages:** Java, Python, C/C++, SQL, JavaScript, HTML, CSS, PHP

**Developer Tools:** Git, Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ

**Libraries:** pandas, NumPy, Matplotlib

**Languages:** English, Hindi, Telugu, German, Spanish

## CERTIFICATIONS

- AWS Solution Architect Associate
- JAVA Full stack - lamneo
- Problem Solving Through Programming in C - NPTEL Swayam (IIT Kharagpur)
- The Joy of Computing with Python - NPTEL Swayam (IIT Madras)
- ITT Summer Internship AIML - InTrain Tech
- MATLAB Onramp - MathWorks
- Python for Data Science - IBM
- AI for Anyone - Google