

# CHANDRA KIRAN REDDY AVULA

Embedded Systems Developer | Full-Stack Web Developer

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Hyderabad, Telangana, India



## EXPERIENCE

### R&D Intern

#### Mekuva Technologies

Sep 2023 – Present

Hyderabad, TS, IN

- Engaged in product development, focusing on innovative solutions for high speed FDM 3D printing.
- Responsible for firmware development and maintenance
- Developed and deployed websites, enhancing digital presence
- Ensured product quality through rigorous quality assurance processes

### Community Lead

#### Open Source Community: VIT-AP

May 2023 – Present

Amaravati, AP, IN

- Leading open-source initiatives and fostering community collaboration
- Organizing skill development events and workshops

### Vice President

#### Open Source Community: VIT-AP

Feb 2023 – May 2023

Amaravati, AP, IN

- Oversaw strategic planning and community project coordination

### DevOps Tech Lead

#### Open Source Community: VIT-AP

Jun 2022 – Feb 2023

Amaravati, AP, IN

- Managed DevOps operations and led CI/CD implementation
- Led a team of developers and engineers in maintaining and improving system infrastructure

### Technical Developer

#### Open Source Community: VIT-AP

Jan 2022 – Jun 2022

Amaravati, AP, IN

- Developed software components and contributed to open-source projects
- Engaged in peer code reviews and continuous learning sessions.

### Research Assistant

#### Jubilee Hills Public School

Jun 2016 – May 2018

Hyderabad, TS, IN

- Assisted in research and development for educational programs.

## THE ETHOS I LIVE BY

*"The only way to do great work is to love what you do." - Steve Jobs*

## MOST PROUD OF



### Community Leadership

Leading the Open Source Community at VIT-AP with dedication and vision.



### Enjoying the Learning Journey

I revel in the joy of each new learning experience, making every discovery a source of pride.



### Contributions to Open Source

Active and impactful contributions on GitHub.

## STRENGTHS

Hard-working

Eye for detail

Motivator & Leader

Embedded Systems

Full-Stack

DevOps

Space Systems

Edge & Cloud Computing

Automation

IoT

Docker & Kubernetes

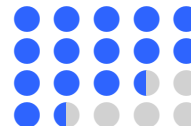
## LANGUAGES

English

Telugu

Hindi

French



## EDUCATION

B.Tech in Computer Science

VIT-AP University

Aug 2021 – Jul 2025 CGPA: 8.6

Intermediate (Class XI & XII)

FIITJEE

Jun 2018 – Sep 2020 Percentage: 79%

Class VIII - Class X

Jubilee Hills Public School

Jun 2015 – May 2018 Percentage: 77.6%

## KEY PROJECTS

### Enterprise/Organization Automation

Funded by VIT-AP University

📅 Sep 2022 – Present

- Secured ₹1.8 Lakhs under the RGEMS Grant for developing energy-efficient solutions with minimal infrastructural modifications.

### Zeyfer V1 & V2

Self-funded/VIT-AP University

📅 Sep 2022 – Aug 2023

- Zeyfer V1: Smart mask for respiratory disease detection using Edge Computing and Deep Learning.
- Zeyfer V2: Multi-sensor device for vital health monitoring, with IIoT and on-device diagnostics for occupational safety.

## HONOURS & AWARDS



### Winner: HackAP Renewable Energy

Jul 2023

- Won the 48-hour long hackathon organized by ā hub (AU Incubation Centre) & TiE Vizag, showcasing exceptional skills in renewable energy solutions.



### Winner: V-Launch Pad - VIT-AP School of Business (VSB)

May 2023

- Our team won the Automation Track with a cash prize of ₹25000 and further incubation/funding support.



### Winner: Cloud Control - NextGen Cloud Club VIT-AP

May 2023

- Emerged as the winner of the Cloud Control event, showcasing expertise in cloud technologies and solutions.



### Winner: Hunt It - NextGen Cloud Club VIT-AP

May 2023

- Secured the first place in the Hunt It event, part of the Kode Group Fiesta (KGF) conducted by NextGen Cloud VIT-AP.



### Winner: V-SHODHAN 2023 - SAS - Vellore Institute of Technology

May 2023

- Presented a winning paper at the V-SHODHAN Annual Conference conducted by the School of Business (VSB).



### Runner Up: Hash Breaker 2.0 Challenge - NextGen Cloud Club VIT-AP

Feb 2023

- Achieved runner-up position in the Hash Breaker 2.0 hash cracking challenge, demonstrating exceptional problem-solving and technical skills.



### Top Ten Finalist: Engg. Clinics Expo - Fall Sem 2022-23 - Vellore Institute of Technology

Dec 2022

## CERTIFICATIONS



### Oracle Cloud Foundations Certified Associate

Oracle

- Certification ID: 7815200OCIBF2021



### ISRO - START

Indian Space Research Organisation

- Certification ID: 202330012014876



### Microsoft Certified: Azure Fundamentals

Microsoft

- Certification ID: 995213212



### Microsoft Certified: Power Platform Fundamentals

Microsoft

- Certification ID: 995213212



### Introduction to Internet of Things

NPTEL

- Cert ID: NPTEL23CS51S6491433804047948



### Introduction to Packet Tracer

Cisco Networking Academy

- Cert ID: 7d5ef5b4-b46d-4e4c-9bf9-2ac79ae8ad15



### Enterprise Design Thinking Practitioner

IBM

- Certification ID: cee05ce5-1b2a-4739-9713-cd09ba3f7c8a

## OTHER ACTIVITIES



### TEDxVITAP Organizer

- Managed website development, sponsorships, and coordinated volunteers for TEDxVITAP, leading to an impactful event.



### Organizer - TechEden 2.0

MLH Season 2023

- Led TechEden 2.0 under MLH Season 2023, promoting tech innovation and collaborative learning.



### Lead Organizer - Edge of Tomorrow

- Headed 'Edge of Tomorrow' event, focusing on IoT and embedded systems, fostering innovation and skill development.