

# Charan T M

[GitHub](#) • [charantm8787@gmail.com](mailto:charantm8787@gmail.com) • [LinkedIn](#)

Over **370+** contributions on projects and currently contributing to [VOREX](#)

## PROJECTS

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- [Vorex Educonnect](#) – **Educational Web app** – Django Framework, HTML, SCSS, JavaScript, PostgreSQL Database.
  - An open-source educational platform designed to connect students and professionals, fostering collaboration and knowledge sharing.
  - Features include structured study rooms, study materials upload, group/global/private chat, real-time discussions, group invitations, collaborative tools, and gamification.
- [Eco sweep](#) – **Municipality web Project** - Python, Flask Framework, HTML, CSS, JavaScript.
  - A web-based system designed to streamline waste management and municipal services, promoting environmental sustainability.
  - Enable users to report waste collection request by accessing the real-time camera capture and access real-time updates on municipal cleaning operation.
- [Port Scanner & OS Detector](#) – **Network Security Tool** – Python, Scapy, Socket, Threading
  - A Python-based cybersecurity tool designed for efficient and effective network port scanning with built-in OS detection capabilities.
  - Offers three scanning methods: Open Port scan (slow, scan first 1024 ports) Range Port Scan (user-defined range), and Quick port scan (Fast, and multithreading, parallel execution).
- Other projects include [Basic File System](#) (File operations), [AI Chat System](#), [Python Games](#), [Python 15+ Mini projects](#).

## EDUCATION

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**Sri Venkateshwara College of Engineering, Bengaluru**

**2023-2027**

*Bachelor of Engineering, Computer Science, (Expected Graduation: 2027)*

*CGPA – 8.61*

**JSS PU College (SJCE Campus), Mysore**

**2021-2023**

*PCMB - 89%*

## TECHNICAL SKILLS

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- **Programming Languages:** Python, Java, HTML, SCSS
- **Frameworks:** Django Framework, Flask, Fast API
- **Databases:** MySQL, SQLite3, PostgreSQL
- **Technologies:** Git & GitHub, Linux, Web Hosting, Wireshark, Networking.

## Hackathons & Open Source Contributions

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- SIH Hackathon (secured 3rd in college level)
- Over 370+ contributions to projects and currently contributing to [Vorex Educational Web App](#).

## Involvements

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### Founder & Owner – Syndicate Community

- Established a dynamic tech community focused on **hackathons, tech meetups, job updates, and free courses** to help students and professionals stay ahead in the industry.
- Provided **regular updates on upcoming hackathons, internships, job opportunities, and free learning resources** to support career growth and hands-on learning. [Community Link](#)

### Exploring Open Source – OpenWISP

- Actively studying the **OpenWISP Controller** project, analyzing its codebase, and understanding its architecture.
- Going through the **documentation and existing issues** to gain insights into network automation and wireless management

## Personal Details

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- **Languages:** English (Professional), Kannada (Native)
- **Interests:** Open Source Development, Hackathons, Cybersecurity, AI Development, Cricket, Coding.