Madhav Karthickk I
MERN Stack & WordPress Developer

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- Web Portfolio
- Madhav Karthickk I
- GitHub

Education

B.E in Mechatronics Engineering   CGPA - 7.01   2020 - 2024
Kumaraguru college of technology   Coimbatore ,India

Skills summary

- **Language:**   Python, Java, Solidity, Golang, Rust.
- **Frameworks:** React.js , Typescript
    - (Frontend- HTML, CSS ,JavaScript),
    - (Backend - JavaScript, node.js)
- **Platform:**   Pycharm, Visual studio code, Android Studio,
- **Soft Skills:**   Leadership, Attention to Detail, Problem-Solving.

Accomplishments

E - Tibet Hackathon :   2nd Place winner   23 March 2025
- Hackathon was about about building the electronic form of Tibetan country which carry everything like governance, Banks, voting system, Education and etc. It was organized by Drapers Startup House - Bangalore.

Datathon :   Runner   23 March 2025
- Hackathon was about about Date Analytics by using a product called aryaXAI uploaded the demo data to get analytics by the AI. It was organized by Safe Super Intelligent Club - Bangalore.

Experience and Internships

SM TIMBERS AND COMPANY - Coimbatore   (Jan 2025 - Present)
Freelance wordpress Developer
- Full stack wordpress developer - building web app and mobile apps for a Manufacturing company
- Pages integration - Features Display in home page, payment page (Administration page - stocks, Attendance management and etc)

CDIX INNOVATION PVT LTD - Chennai   (Jun 2024 - Jun 2025)
Junior Developer
- Full Stack developer - building web app and mobile apps
- Making web application framework used in React.js Next.js, for DB - Mongodb

Volunteer in DEVCON 7 SEA - (Twitter Post)   (Sep 2024 - Nov 2024)
Volunteer in DEVCON 7
- Volunteer(managed) to the crowed around 12,500 members in Developer Conference
- Assisted with speaker session and manager speaker with their comfort zone
- Helped the devcon 7 SEA team and got to know more about web3 and web3 Startup
- Participated in Hackathons

Chennai Freelancers Club Chennai   (Aug 2024-Jan 2025)
Community outreach Manager
- Managing the Global Freelancers Festival 2025 wordpress website - and also social media management (Linkedin, Instagram, twitter, Youtube and all ticket booking app)
- Have organization monthly meetup in Chennai
- Management and engagement of the community
- Organized an Global Freelancers Festival 2025 with over 3000+ attendees which was a massive hit in Chennai

Universal Automation systems Pvt Ltd Bangalore   (Mar 2024-April 2024)
PLC Programmer
- Developed and implemented PLC programs with integration to SCADA systems, using LabVIEW.
- Focused on designing user-friendly HMI interfaces to improve operator efficiency.
- Conducted testing, debugging, and provided technical support during installation, along with contributing to technical documentation.

Ara Institute of Canterbury Ltd New Zealand - (Linkedin post)   (Jan 2023-Mar 2023)
Student internship
- Completed a three-month internship in New Zealand focused on Engineering System Analysis.
- Gained hands-on experience with race cars (F4, F3, F2, F1), engine mechanics, and components like camshafts and cylinder heads.
- Participated in track races, enhancing practical automotive engineering skills.
- The internship combined professional development with cultural exploration, shaping my future career in engineering and motorsports.

Projects

Smart portable and modular retail checkout device with web application   (Dec 2023-April 2024)
- Utilized Raspberry Pi 5 for the project, installing Python and leveraging computer vision to achieve 96% accuracy in product detection.
- Created a user-friendly shopping platform with secure payment integration, using HTML, CSS, JavaScript, MongoDB, and Figma to ensure an efficient and secure shopping experience.
- Built a dynamic web application for managing cart products and enhancing user experience in retail environments, integrating with the previously developed authentication and payment systems.

Automated vending and packing machine   (Jun 2023-Nov 2023)
- Weighed and packed products according to customer specifications, employing ESP32 microcontrollers and programming with the Arduino IDE to ensure accuracy and reliability. Got accuracy of 98%
- Configured the RemoteXY App to facilitate seamless product control and integration, enhancing the user interface and interaction for efficient management.

Certificates

- *Webinar on 'Digital Twin Solution for Autonomous Vehicles' on 27 & 28 of March 2023.*
- *'E Grid on Electric vehicles' on 18, 19 & 21 of May 2022.*
- *Certificate of completion on 'Learn 5 PLCs in a Day-AB, Siemens, Schneider, Omron & Delta' in Udemy on 20 December 2022.*
- *Certificate of completion on 'Engineering system analysis' in New Zealand on 9 February 2023*
- *Certificate of completion on 'UI/UX Concepts and figma basics' in sns square on 9 & 10th Dec 2023*