

Mohammed Hamdan M

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EDUCATION

Full Stack Developer specializing in backend development with the MERN stack. Currently pursuing a B.Tech in AI and Data Science, with a foundational understanding of ML and AI concepts. Skilled in data structures, algorithms, and building scalable, performance-driven applications that enhance user experience and engagement.

EDUCATION

B.S.Abdur Rahman Crescent Institute of Science and Technology Chennai
Bachelor of Technology in Artificial Intelligence and Data Science – CGPA:8.95 *Aug. 2021 – Present (7th Sem)*

T.A.W Matriculation Higher Sec School Ambur
Higher Secondary School – Percentage: 88% *May 2020 – May 2021*

EXPERIENCE

Full Stack Developer November 2023 – April 2024
Petra Oil Bitumen

- Boosted **efficiency** by **15%** and accuracy by **10%** with a **Flask** back-end using BeautifulSoup and GPT API
- Improved UI responsiveness by optimizing data flow between front and back ends, enhancing overall system
- Boosted user engagement by **20%** by implementing a **Chatbot** and **InsightsHub** feature for real-time assistance

Frontend Developer June 2023 – August 2023
CodersCave

- Built React applications, improving load speeds by **30%** and optimizing component efficiency to enhance the **UX**
- Collaborated with backend team to integrate **RESTful APIs**, improving overall system performance by **15%**
- Led the migration of legacy CSS to **TailwindCSS**, improving styling consistency and reducing code duplication

PROJECTS

Integrated Youtube Development | *React, MongoDB, Javascript, Express, Node.js* [View in Github](#)

- Developed a MERN stack platform integrating YouTube-like features, boosting content interaction by **30%**
- Built a robust backend with Node.js and MongoDB, improving **API performance**, data handling by **40%**
- Led frontend development using React, enhancing **UI responsiveness** by **25%** for video and social engagement

GreenScope | *Python, Flask, YOLO, Javascript* [View in Github](#)

- **Engineered** an innovative web application that accurately estimates tree carbon absorption using satellite image
- **Pioneered** a YOLO **ML model** for real-time tree and land detection, achieving an **80%** accuracy rate
- Created an intuitive UI that significantly boosted user engagement fostering an interactive and enjoyable experience

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript

Frameworks: React, Node.js, Flask, Express.js, Tailwind CSS

Developer Tools: Git, NPM, Postman, VS Code, JWT, IntelliJ

Libraries: Axios, Pandas, NumPy, Matplotlib

DataBase: MongoDB, MySQL, Mongoose

Versatile Abilities: HTML5, CSS3, Team Collaboration, Problem-Solving, Figma

CERTIFICATION/AWARDS

Achieved 2nd Place in the Sustainability Hackathon

Complete Js-(Zero-Expert) , NodeJS , Express , MongoDB Bootcamp

Achievement Award – For performance and winning a hackathon, from my college.

Certificate of Achievement – Wadhvani Foundation for recognition of a prototype as a Real Venture