S MOHAMED AHSAN

AI&ML | MERN STACK DEVELOPER | UI/UX DESIGNER

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GitHub | **LinkedIn** | **Linktree** | **My Portfolio** : https://mohamedahsan-portfolio.vercel.app/

SUMMARY

Versatile tech professional skilled in AI, ML, UI/UX, Java, and MERN stack, consistently developing problem-solving and leadership through LeetCode and TechSociety.

TECHNICAL & PROFESSIONAL SKILLS

- ***AI/ML:*** Machine Learning, Natural Language Processing (NLP), Python, TensorFlow, PyTorch, LangChain
- ***Web & Application Development:*** MERN Stack (MongoDB, Express.js, React + Vite, Node.js), Flask (with CORS), Java, HTML/CSS, AWS
- ***UI/UX Design:*** Figma (Prototyping & Wireframing), Usability Testing, Canva
- ***Databases & Tools:*** Neo4j, MySQL
- ***Programming Languages:*** Python, C, Java, JavaScript (JSX)
- ***Tools & Platforms:*** Jira, Confluence (Atlassian), Vite, Git, Postman
- ***Soft Skills***: Agile Scrum (Daily Stand-ups & Sprint Presentations), Problem Solving, Project Management, Leadership, Effective Communication (Fluent in English)

PROFESSIONAL EXPERIENCE

AI Product Developer Intern, 6s Consulting (On-Site)   **July 2025 - Aug 2025**

- Our team operated under the **Agile Scrum methodology**, conducting daily stand-up meetings (**DSMs**) for progress updates and **Weekly Sprint** reviews through structured presentations.
- Contributed to the end-to-end development of the AI-driven product "DewDrop" using the **MERN** stack (**MongoDB, Express.js, React with Vite, Node.js**).
- Collaborated closely with cross-functional teams, leveraging project management tools such as **Jira** and **Confluence** (Atlassian.net) for agile workflow tracking and documentation.
- Worked on UI/UX prototyping with **Figma**, visual presentations in **Canva**, and integrated **LangChain** for AI-driven features—enhancing skills in full-stack development, AI integration, and collaborative product design.

Mentee, Codebyte (Remote)   **Jan 2025 – Jun 2025**

- Mastering core computer science concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP) with Java, Operating Systems, Computer Networks, & Database Management Systems.

UI/UX Intern, Skill First Labs (On-Site)   **Oct 2024 – Dec 2024**

- Designed intuitive prototypes using **Figma**, improving user satisfaction
- Developed strong skills in ideation, Figma, UI/UX design, usability testing, and design documentation.

Web Development Trainee, Computational Intelligence Research Foundation   Jul 2024 (On-Site)

- Built a functional and Responsive website using PHP for the backend and WordPress, HTML, CSS, and JavaScript for the frontend, hosted on a free domain. (In-Plant Training)

EDUCATION

Bachelor of Technology in AI & Machine Learning   **2023 – 2027**
Saveetha Engineering College Thandalam, Chennai   CGPA(SEM 4): 8.61

HSC - Computer Science   **2011 – 2023**
SBOA School & Junior College

HACKATHONS & PROJECTS

Taxonomist - GidyTechpreneur (Winner)   **Mar 2025**
- Integrated ML models (ElasticNet with fallback on XGBoost & Random Forest) by saving them as pickle files for seamless backend deployment.
- Built prediction APIs using Flask and hosted the application on Vercel, enabling policymakers to evaluate tax policies effectively.

FloodGuard - Flood Simulation Model (KU25 24-Hours Hackathon)   **Feb 2025**
- Engineered frontend & backend integration for real-time flood simulation, deploying ML models via Render and hosting on Vercel.
- Developed an AI-powered chatbot using DeepSeek API, providing emergency contacts, safe points, and distress assistance.

Reimagining Urban Spaces (IBM Z Datathon)   **Oct 2024**
- Collected and structured traffic data, augmenting datasets for predictive analytics.
- Designed and trained LSTM-based models to forecast congestion patterns and optimize urban mobility.

ADDITIONAL INFORMATION

Tech Society (Assistant Coordinator):   **Aug 2025 - Current**
- Hosted events on Express.js – Library Management System, Kivy app development in Python.
- Contributing as part of the central team of TechSociety, a student-led club.
- Managing 5 different communities with 300+ active members

Certifications:
- Coursera – PyTorch, AWS
- DeepLearning.AI – NLP
- NPTEL – IoT Fundamentals (Score: 90/100)