

S MOHAMED AHSAN

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

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[GitHub](#) | [LinkedIn](#) | [Linktree](#) | [My Portfolio](#) : <https://mohamedahsan-portfolio.vercel.app/>

SUMMARY

Versatile Software Engineer specializing in MERN Stack, Object-Oriented Programming (OOP), and Generative AI. Proven experience building REST APIs and predictive models through AI-focused internships and winning hackathons.

TECHNICAL & PROFESSIONAL SKILLS

- Data Science & Gen AI:** NLP, Generative AI (LangChain, DeepSeek API), Predictive Analytics (LSTM, XGBoost, Random Forest), TensorFlow, and PyTorch
- Web & Application Development:** MERN Stack (MongoDB, Express.js, React + Vite, Node.js), Flask (with CORS), HTML/CSS, JavaScript (JSX), FastAPI
- Fullstack & Web Dev:** REST API development, HTML/CSS, and WordPress
- UI/UX Design:** Figma (Prototyping & Wireframing), Usability Testing, Canva
- Python & Core CS:** Python, C, Java, and Object-Oriented Programming (OOP / OOPS)
- DevOps & Tools:** Jira, Confluence (Atlassian), Docker, AWS, Git, Postman
- Soft Skills:** Agile Scrum (Daily Stand-ups & Sprint Presentations), Problem Solving, Project Management, Leadership

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

Demand IQ – Time Series Forecasting (Stock Management)	Dec 2025
<ul style="list-style-type: none">Engineered a robust Predictive Analytics pipeline using historical sales data to forecast demand and optimize inventory stock levels.Developed and deployed high-performance REST APIs using FastAPI to serve real-time demand forecasts for backend integration.	
Taxonomist – GidyTechpreneur (Winner)	Mar 2025
<ul style="list-style-type: none">Developed a high-performance REST API using Flask to serve machine learning predictions for policy evaluation.Integrated serialized ML models (.pkl) into a production-ready backend, ensuring seamless end-to-end deployment on Vercel.	
FloodGuard – Flood Simulation Model (KU25 24-Hours Hackathon)	Feb 2025
<ul style="list-style-type: none">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.	

ADDITIONAL INFORMATION

Tech Society (Assistant Coordinator):	Aug 2025 - Current
<ul style="list-style-type: none">Hosted "ML Royale," a competitive machine learning build challenge at Drestein '25, Express.js & 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:	
<ul style="list-style-type: none">Coursera – PyTorch, AWSDeepLearning.AI – NLPNPTEL – IoT Fundamentals	