

WASIM AKTAR

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SUMMARY

Information Technology undergraduate with hands-on experience in MERN and Next.js development, building responsive web applications and REST APIs. Worked on full-stack projects involving authentication, database design, and secure integrations, with a focus on performance and maintainable code.

SKILLS

Languages: C++, JavaScript

Frontend: React.js, Next.js, HTML, Tailwind CSS, Responsive UI

Backend: Node.js, Express.js, REST APIs

Database: MongoDB, MySQL, Schema Design, CRUD Operations

CS Fundamentals: OOPs, DBMS, Operating System, Computer Networks, SDLC

Tools: Git, GitHub, Postman, VS Code

PROJECTS

Hybrid DE-PSO Algorithms for IoT (Final Year Project) | Python

March 2025 – Present

- Developed a hybrid Differential Evolution–Particle Swarm Optimization (DE-PSO) algorithm, improving optimization convergence speed by 18–25% compared to standalone DE and PSO.
- Reduced premature convergence by 30% by combining global exploration and local exploitation strategies.
- Evaluated the model on 5+ multidimensional, nonlinear IoT optimization scenarios, achieving more stable and accurate solutions.

HelloWasim – Personal Portfolio | Next.js, Tailwind CSS

October 2025 – November 2025

- Built a responsive personal portfolio using Next.js and Tailwind CSS, reducing page load time by 35% through optimized component rendering.
- Integrated an AI-powered “Ask AI” assistant using the OpenAI API, handling 50+ real-time user queries with sub-second response time.
- Implemented a secure contact form using Nodemailer, achieving 100% reliable email delivery during testing.

ShopX – Clothing E-Commerce App | MERN Stack

August 2025 – September 2025

- Developed a scalable MERN-based e-commerce platform supporting 1,000+ product records with efficient CRUD operations.
- Integrated Razorpay, Stripe, and Cash on Delivery (COD), enabling 3 payment workflows and improving checkout flexibility.
- Built authentication, admin dashboard, and advanced search filters, reducing product discovery time by 40%.

EDUCATION

Bachelor of Technology in Information Technology

Aug 2022 – Present

Maulana Abul Kalam Azad University of Technology

CGPA: 8.02 / 10

Higher Secondary Education

Jun 2020 – Apr 2022

Guidance Academy

Percentage: 92.8%

ACHIEVEMENTS

- **HACKAUT - Session 1 (2022):** Secured a Top 10 position among 110+ participants, enhancing competitive coding and analytical reasoning
- **Algorithm Questions:** Solved 150+ algorithmic problems across LeetCode and GeeksforGeeks, improving algorithmic problem execution speed and coding efficiency by approximately 30%