Amarjit Jha

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EDUCATION

Ajeenkya DY University, Pune   Aug 2025 – Present
Master of Computer Applications (MCA) in Data Science and Analytics

St. Edmunds College, Shillong   Sept 2021 – July 2024
Bachelor's in Computer Application (BCA)   CGPA: 7.12/10

PERSONAL PROJECTS

Personal Portfolio Website   Sept 2025 – Oct 2025
Developed a production-ready portfolio using Next.js 14 and SSG for optimal SEO and performance.
• **Tools & Technologies**: Next.js 14, TypeScript, Tailwind CSS, Supabase, GitHub Actions, Jest
• **Features**:
   — Implemented a CI/CD pipeline using GitHub Actions to automate linting, testing, and Vercel deployment.
   — Designed a WCAG-compliant UI with **Tailwind CSS**, featuring system-aware dark mode and smooth Framer Motion animations.
   — Integrated **Supabase** (**PostgreSQL**) for backend data management and server-side form validation using Zod.

Electronics Store Application   Oct 2025 – Nov 2025
Engineered a full-stack MERN e-commerce platform with secure authentication and administrative controls.
• **Tools & Technologies**: MongoDB, Express.js, React.js, Node.js, JWT, Bootstrap 5
• **Features:**
   — Implemented robust security using **JWT authentication** and bcrypt hashing to manage user sessions and protect sensitive routes.
   — Designed complex database schemas in **MongoDB** to handle relationships between users, products, orders, and shopping carts.
   — Built a comprehensive Admin Dashboard for real-time inventory tracking and product CRUD operations.

High-Performance Product Page   Nov 2025 – Dec 2025
Developed a mobile-first product page focusing on core web vitals, accessibility, and automated testing.
• **Tools & Technologies**: JavaScript ES6+, Bootstrap 5, Jest, Cypress, HTML5
• **Features**:
   — Optimized performance via lazy loading and critical CSS, improving **Largest Contentful Paint (LCP) by 62%.**
   — Engineered a testing suite with **Jest (85% coverage)** and Cypress for End-to-End validation of user journeys.
   — Implemented WCAG 2.1 AA accessibility standards including ARIA labels and full keyboard navigation.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL

Frontend: React.js, Next.js 14, Tailwind CSS, Bootstrap 5

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

Databases: MongoDB, PostgreSQL (Supabase), MySQL

Tools & Testing: Git, GitHub Actions, Jest, Cypress, Postman, Vercel

Core Concepts: Web Accessibility (WCAG), SEO, CI/CD, Responsive Design

CERTIFICATIONS & AWARDS

- Oracle Cloud Infrastructure 2025 Certified Foundations Associate (2025)
- Ethical Hacking and Cyber Security Workshop – TechoByte, IIT Guwahati (2023)
- Python Certification – Spoken Tutorial, IIT Bombay (2022)