

Aayush Agrawal

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EDUCATION

BE in Information Technology

PUNE INSTITUTE OF COMPUTER TECHNOLOGY

Aggregate CGPA: 9.6 / 10.0

Pune, India | 2023-2027

WORK EXPERIENCE

STEALTH STARTUP | SOFTWARE DEVELOPMENT ENGINEER INTERN

Remote | Feb 2025 – May 2025

- Developed a full-stack e-commerce marketplace platform similar to Amazon using **React.js**, **Node.js**, **Express**, and **MongoDB**, enabling seamless product browsing, cart management, and checkout features.
- Collaborated with UI/UX designers to build responsive interfaces, ensuring smooth performance across devices using modern **JavaScript (ES6+)** and **HTML/CSS3**.
- Designed and integrated secure RESTful APIs for user authentication, product listing, and order management, supporting scalable backend operations.
- Implemented database solutions using **MongoDB** and **MySQL** to manage dynamic data models including users, inventory, and orders.

SHOP WAVELENGTH | JEWELLERY E-COMMERCE PLATFORM (LIVE)

Hybrid | Dec 2023 – Feb 2024

- Designed and deployed a full-featured jewellery e-commerce platform using the **MERN stack (MongoDB, Express, React.js, Node.js)** for small business owners on Instagram.
- Implemented key functionalities including product listing, filtering, cart, checkout, and secure admin dashboard for inventory and order management.
- Integrated third-party services for image uploads, email notifications, and payment gateway support; ensured SEO-friendly and responsive design across all devices.
- Deployed frontend on **Vercel** and backend services on **Render**, ensuring fast and scalable performance with CI/CD setup.

PROJECTS

SARTHI AI - LEARNING PATHWAY GENERATOR

NEXT.JS, TAILWIND CSS, DRIZZLE ORM, POSTGRES SQL

Built an innovative platform for personalized learning pathways, professional collaboration, and interactive flashcards/quizzes. Delivered a seamless user experience using modern web technologies and database optimization.

PICT NAKSHATRA - LEAD WEB DEVELOPER

MERN STACK, THREE.JS

Designed and developed an immersive event website integrating interactive 3D models using **Three.js**, demonstrating a strong commitment to innovation and modern web technologies. Led a team of developers as the MERN lead.

AIMAGE UTILITY

NEXT.JS, TAILWIND, AI IMAGE ENHANCEMENT

An advanced image processing tool offering AI-powered image manipulation and optimization features to streamline visual content management.

K PURE - ROOM FRAGRANCE E-COMMERCE PLATFORM

MERN STACK, TAILWIND CSS

Developed an e-commerce site for K Pure, a room fragrance brand owned by an Amazon employee. Currently under development

NEURAL DOCS - AI-POWERED DOCUMENTATION SEARCH ENGINE

LANGCHAIN, MERN, OPENAI API

Built a semantic search tool for internal docs and wikis that understands user intent. Integrated GitHub repo support to embed and query source code files using vector embeddings.

SKILLS

Languages: Java, C++, Python, SQL

Web Development: React, JavaScript, TypeScript, HTML/CSS, Next.js, Tailwind CSS, Microservices, Kafka, Three.js, Node.js, Express.js

Technologies: Git, AWS, Azure, Docker, MongoDB, PostgreSQL, Kubernetes, Appwrite, NeonDB