Utsav Jha

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Education

Vellore Institute of Technology   **Oct 2022 – May 2026**
Bachelor of Technology (B.Tech), Computer Science and Engineering (CSE)
CGPA: 8.65/10

Work Experience

Algoanalytics Pvt. Ltd. - Full-Stack Intern (MERN) | *Remote*   **Nov 2025 – Present**
- Completed structured full stack training by building **15+ small-scale projects** using **HTML, CSS, JavaScript, React.js, and Redux**, implementing reusable components and basic state management patterns.
- Contributed to the deployment of the **Aksha web application** (security camera surveillance platform) using **Docker**, working with **2+ containers** to support application services and environments.
- Currently working on the **Aksha mobile application**, implementing **3 UI screens** and integrating application logic under mentor guidance.

HCL Technologies Ltd. - Intern (GenAI on SAP) | *Remote*   **Jun 2025 – Aug 2025**
- Completed a **6-week learning-based internship**, producing a **40+ page technical report** on **Generative AI use cases in SAP**, focused on enterprise workflows and system integration.
- Configured and evaluated **5+ AI-driven workflows** using **SAP Joule**, achieving approximately **15–20% improvement** in task automation and user interaction efficiency.
- Explored the **ABAP SDK for AI** and developed **4+ SAP UI5 prototypes** integrated with **3+ SAP backend modules**, gaining hands-on exposure to GenAI-enabled SAP applications.

ITSC Technologies Pvt. Ltd. - Frontend Intern (HTML, CSS, JS, React.js) | *Remote*   **Feb 2025 – Apr 2025**
- Applied the **Software Development Life Cycle (SDLC)**, including **Waterfall** and **Agile** models, by analyzing **2+ real-world case scenarios** and understanding end-to-end development workflows.
- Developed **5+ reusable React.js components**, working with props, state, and component lifecycles to create modular and maintainable frontend code.
- Crafted a **responsive form-based interface** using **React.js** and **Material UI**, incorporating **10+ input fields** with validation and consistent UI theming.

Technical Skills

Languages & Core CS: C++, C, JavaScript, SQL, DSA, OOPs, DBMS, Operating Systems, Computer Networks, SDLC
Web Development: MERN Stack (MongoDB, Express.js, React.js, Node.js), PHP, Tailwind CSS
Databases & DevOps Tools: MongoDB, MySQL, Docker, Kubernetes, Git, GitHub, Excel, VS Code

Projects

URL Shortener | *MongoDB, Express.js, Node.js, React.js, Tailwind CSS*   **Aug 2025**
- Launched a full-stack URL shortening application using the **MERN** stack, enabling **200+ users** to generate, manage, and track shortened links through a web interface.
- Established a secure backend with **Express.js** and **MongoDB**, defining **8+ RESTful APIs** for URL mapping, authentication, and analytics, and reducing lookup latency by approximately **25%** using indexed queries.
- Assembled a responsive dashboard using **React.js** and **Tailwind CSS**, and deployed the application on **Render**, supporting over **100 shortened URLs** with stable performance.

NodeCRUD Engine | *MongoDB, Express.js, Node.js, EJS, Tailwind CSS*   **May 2025**
- Engineered a full-stack CRUD application using **Node.js**, **Express.js**, and **MongoDB**, supporting complete user lifecycle operations with efficient data handling.
- Architected optimized **MongoDB schemas** with indexing to manage **50+ user records**, and integrated validation and error-handling layers to ensure secure and reliable requests.
- Leveraged **EJS** for server-side rendering and styled responsive interfaces using **Tailwind CSS**, reducing custom CSS usage by approximately **60%** while improving page load performance.

EarthMark: Eco-Score Checker for Amazon | *React.js, Node.js, MongoDB, Postman*   **Dec 2024**
- Engineered a full-stack web application using **React.js**, **Node.js**, and **MongoDB** to calculate eco-scores for **10+ Amazon product entries**, delivering a functional MVP.
- Authored and validated **5+ RESTful API endpoints** and devised a custom JavaScript scoring algorithm based on **7 environmental parameters**, reducing manual evaluation effort by approximately **80%**.
- Produced a responsive React UI, advancing to the **first round of Amazon Smbhav Hackathon 2024** among **1,000+ teams** by delivering the solution within a **36-hour** hackathon window.

Certifications

Associate Database Administrator — MongoDB   **May 2025**
Full-Stack Developer (MERN) — SmartBridge   **Apr 2025**