

Ajay Kumar Singh

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Summary — Enthusiastic and detail-oriented undergraduate in software engineering with a strong interest in web development. Seeking an opportunity to apply and expand my skills in frontend and backend technologies in a professional environment. Eager to contribute to real-world projects, learn from experienced teams, and grow as a full-stack web developer.

Skills

Frontend	React, HTML, CSS, Tailwind CSS, Bootstrap	Databases	MongoDB, MySQL, PostgreSQL
Backend	Node.js, Express	Tools/Software	Git, GitHub, Vscode, Postman
Languages	C, JavaScript, Java, Python	Design	Figma, Adobe Illustrator, Inkscape, Canva

Internship/Traning

Tata Steel Ltd.01-Aug 2025 – 31-Aug 2025

Vocational Training Program (Offline)

- Currently undergoing a vocational training program focused on software development fundamentals and industrial application workflows.
- Strengthened practical skills in building modular, responsive, and efficient software solutions for real-world use cases.
- **Tools and technologies used:** HTML, CSS, JavaScript, React.js, Tailwind Css, Node.js, MongoDB.
- Working on developing and optimizing application modules, integrating backend logic, and implementing database connectivity to simulate live industrial projects.
- Gained exposure to enterprise-grade development environments, version control systems, and collaborative coding practices.

Genex CADD CenterJune 2025 – July 2025

FullStack Web Development Training (Ultodanga — Offline)

- Completed structured training focused on frontend development, strengthening core skills in responsive design and dynamic web interfaces.
- Learned to build modular and visually engaging UIs using modern web technologies and component-based architecture.
- **Tools and technologies used:** HTML, CSS, Tailwind CSS, JavaScript, React.js, **Shadcn UI, Skiper UI**, MongoDB.
- Successfully developed a complete full-stack web application as part of the training, implementing frontend design, backend logic, and database integration to simulate a real-world project scenario.

Education

Budge Budge Institute of Technology (MAKAUT) B.Tech in Computer Science and Engineering	2022 – Present CGPA: 7.64
R.J.J.C.B.D+2 School, Saran Higher Secondary Education (Science Stream)	2020 Percentage: 66%
Galaxy Residential Public School, Saran Secondary Education	2017 Percentage: 87.4%

Projects

Ayurveda AI – ChatbotJune 2025 – July 2025

React.js Application with AI Integration

- Built an interactive AI-powered chatbot to provide Ayurveda-based health tips and remedies. Integrated natural language processing to understand and respond to user queries in real time.
- Implemented API integration for fetching AI-generated responses and ensuring accurate, context-aware answers. Focused on accessibility and mobile-friendly design to reach a wider audience.

DAMS – Hot Strip Mill Health Monitor (Ongoing)01-Aug 2025 – 31-Aug 2025

Industrial Software Development – Tata Steel Ltd

- Developing a Digital Asset Management System (DAMS) module for real-time health monitoring of the Hot Strip Mill. Implementing sensor data acquisition and analytics to track machine performance and detect early signs of faults.
- Building dashboards for condition-based maintenance, enabling predictive insights and reducing downtime. Collaborating with cross-functional teams to align the software with plant operations and safety standards.