

# Ajay Kumar Singh

📞 7461086575 — ✉️ [ajaykrsingh2002@gmail.com](mailto:ajaykrsingh2002@gmail.com) — [🌐 linkedin.com/in/ajaykrsingh07](https://www.linkedin.com/in/ajaykrsingh07) — [🐙 github.com/ajaykrsingh7](https://github.com/ajaykrsingh7)

**Summary** — Computer Science undergraduate with knowledge of programming, system concepts, and web development. Familiar with building full-stack websites and database integration. Quick learner, currently improving problem-solving and system-level concepts to contribute effectively in professional environments. Eager to learn from experienced teams and grow as a full-stack web developer.

## Skills

<b>Frontend</b>	React,HTML,CSS,Tailwind CSS,Bootstrap	<b>Databases</b>	MongoDB, MySQL, PostgreSQL
<b>Backend</b>	Node.js,Express.js,PHP	<b>Tools</b>	Git, GitHub, VS Code, Postman
<b>Languages</b>	C,C++ ,JavaScript,Java	<b>Design/UI</b>	Figma,Inkscape,Canva

## Internship/Training

### Tata Steel Ltd.

01-Aug 2025 – 31-Aug 2025

*Vocational Training Program (Kalinganagar,Odisha)*

- Completed a vocational training program focused on software development fundamentals and industrial application workflows.
- **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 Center

June 2025 – July 2025

*Full-Stack Web Development Training (Ultodanga,Kolkata)*

- Completed structured training focused on frontend development, strengthening core skills in responsive design and dynamic web interfaces.
- **Tools and technologies used:** HTML, CSS, Tailwind CSS, JavaScript, React.js, **Shaden UI**, MongoDB.
- Successfully Developed a complete full-stack web application as part of the training, implementing front-end design, back-end logic, and database integration to simulate a real-world project scenario.

## Education

### Budge Budge Institute of Technology (MAKAUT)

2022 – Present

*B.Tech in Computer Science and Engineering*

CGPA: 7.64

### R.J.J.C.B.D+2 School,Saran

2020

*Higher Secondary Education (Science Stream)*

Percentage: 66%

### Galaxy Residential Public School,Saran

2017

*Secondary Education*

Percentage: 87.4%

## Certifications

- Vocational Training Program – Tata Steel Ltd., Kalinganagar (Aug 2025).
- Full-Stack Web Development Training – Genex CADD Center, Kolkata (Jun–Jul 2025).

## Projects

### Ayurveda AI – Chatbot

*React.js Website 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 to fetch AI-generated responses and ensure accurate context-aware responses.

### DAMS– Hot Strip Mill Health Monitor

*Industrial Software Development– Tata Steel Ltd*

- Developed a Digital Asset Management System (DAMS) module for Hot Strip Mill health monitoring (sensor data acquisition, analytics, and predictive dashboards).
- Build dashboards for condition-based maintenance, enabling predictive insights and reducing downtime.
- Collaborating with cross-functional teams to align software with plant operations and safety standards.