

# SANKAR KARMAKAR

## Developer

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### Summary

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Detail-oriented and motivated Web Developer with a strong foundation in programming and web technologies. A Bachelor of Computer Applications (BCA) Honours graduate, I possess solid skills in both front-end and back-end development. Passionate about creating engaging, efficient, and responsive websites, I am recognized for strong problem-solving abilities and a commitment to continuous learning. Experienced in developing static and dynamic websites and proficient in database management.

### Skills

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**Programming:** Python, Java, C, C++

**Web Development:** HTML, CSS, JavaScript(ES6), MERN Stack, Bootstrap, Tailwind CSS, shadcn UI, Mongoose, JWT, Zod

**Databases:** MySQL, MongoDB

**Soft & General Skills:** OOPs Concepts, SDLC, SOLID Principles, Problem Solving, Team collaboration

**Tools & Version Control:** Git & GitHub, VS Code, Cursor AI, IntelliJ IDEA, Postman, MS Office

### Experience

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#### Industrial Internship on MERN Stack

March 2025 – June 2025

Ardent Computech pvt. ltd.

Tools Used: VS Code IDE, Node JS, MongoDB, Postman, MS Word

- Developed a complete E-Learning System using the MERN stack. Followed industry standards and good practices during the project.
- Built responsive frontend interfaces using React.js, Tailwind CSS, and reusable components. This ensured a smooth and user-friendly experience.
- Implemented strong backend APIs using Node.js, Express.js, and the MVC pattern. Integrated MongoDB for effective data management and CRUD operations.
- Worked in a team to improve teamwork, communication, and problem-solving. Used tools like Postman for API testing and debugging.

#### Social Media Executive Intern

January 2025 – March 2025

TeamTCB (Bankura)

Tools Used: SEO, Ads, Digital Marketing

- Gained practical experience in managing and creating content for various social media platforms under expert guidance. Learned to examine engagement metrics and use insights to improve content performance.
- I built strong teamwork and communication skills by working with a creative team in a professional setting. This experience improved my understanding of digital marketing trends and how to engage audiences effectively.

### Projects

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#### E - Learning System | [Github Link](#)

March 2025 – June 2025

- I developed a complete E-Learning System using the MERN stack, which includes React.js, Node.js, Express.js, and MongoDB. It features MVC architecture, JWT authentication, token-based authorization, Email.js integration, and dynamic APIs that support all dashboards and data.
- Implemented role-based access control. Students and instructors have limited access, while admins enjoy full access. This includes an admin dashboard, student management, instructor course uploads, a quiz module, dynamic components, and a centralized chat system.
- Delivered a secure, interactive, and scalable platform. It features real-time communication, a responsive UI, dynamic course content, automated quiz scoring, and a smooth user experience that meets industry development standards.

#### Blog Application | [Github Link](#)

- Developed a fully responsive Blog Application using the MERN stack, Tailwind CSS, and Shadcn UI. It includes clean modern UI components, dynamic APIs, secure JWT authentication, and role-based authorization for Admins, Bloggers, and Readers.

- I implemented full blog management features. This includes uploading, editing, and deleting blogs. It also has a readability view, a commenting system, image uploads, and the ability to dynamically display all blog content on different devices.
- Built dedicated profile sections where bloggers can manage their own blogs. The Admin Panel gives full control over all blogs, users, and comments. This setup ensures a scalable and organized content management process.

## Awards & Certifications

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- **Industrial Internship on MERN Stack Certificate – Ardent Computech Pvt. Ltd. (2025):** Completed an Industrial Internship on the MERN Stack, gaining hands-on experience in full-stack development with real-world project implementation.
- **Industrial Training Certificate – Ardent Computech Pvt. Ltd. (2025):** Completed industrial training with practical experience in real-world development practices and industry-standard technologies.
- **Social Media Management Internship Certificate – TeamTCB Pvt. Ltd. (2025):** Completed a Social Media Management Internship with practical experience in content creation, analytics, digital marketing, SEO, and ads.
- **D.I.T.A. Certificate – B.Y.C.T.C. (2021):** Completed the D.I.T.A. certification, gaining foundational skills in computer applications and essential IT tools.

## Education

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### Bachelor of Computer Applications Honours(BCA(Hons.))

*Institute Of Computer And Information Sciences, Bankura, West Bengal*

**Graduated: 2025**

*CGPA: 8.52 / 10*

### Higher Secondary

*Bankura Banga Vidyalaya, Bankura, West Bengal*

**Completed: 2022**

*Achieved: 94.8%*

### Secondary

*Bankura Goenka Vidyayatan, Bankura, West Bengal*

**Completed: 2020**

*Achieved: 73%*

### Diploma in Information Technology Application(D.I.T.A.)

*Bankura Youth Computer Training Centre(B.Y.C.T.C), Bankura, West Bengal*

**Completed: 2021**

*Grade: A*

## Additional Information

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- Proficient in developing both static and dynamic websites using contemporary web technologies.
- Experienced in database management with a basic understanding of data structures and algorithms.
- Strong commitment to learning new technologies and improving skillsets in software development.