

# SOURIN PAL

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## CAREER OBJECTIVE

Dynamic and detail-driven Full Stack Developer specializing in the MERN stack (MongoDB, Express.js, React.js, Node.js), with a strong foundation in Java programming and DSA problem-solving. Passionate about designing, developing, and deploying scalable web applications that deliver seamless user experiences. Consistently practiced, optimized, and engineered robust backend logic while collaborating effectively in hackathon teams. Seeking opportunities to spearhead innovative solutions, enhance application performance, and contribute to impactful tech projects.

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## TECHNICAL SKILLS

**Languages:** Core Java, JavaScript, HTML, CSS | **Frameworks:** Express.js, React.js, Node.js |  
**Database:** MongoDB, MySQL | **Tools:** Git, VS Code, Postman

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## EDUCATION

### B.Tech in Computer Science and Engineering

Netaji Subhash Engineering College, Kolkata

Expected Graduation: **2026**

CGPA: **8.29**

### Higher Secondary (Class 12)

Bishnupur High School

Year: **2022** | Score: 462/500 (**92.4%**)

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## PROJECTS

### MiniSQL – In-Memory SQL Engine | Java | [Link](#)

**Technologies:** Java, Data Structures & Algorithms (HashMap, ArrayList, Stack, Shunting Yard Algorithm)

Built a terminal-based SQL interpreter with custom data structures for dynamic table handling.

Parsed and evaluated complex WHERE clauses using postfix logic with stack-based algorithms.

### Blogging Application – Blogging Platform | [Link](#)

**Technologies:** Node.js, MongoDB, Express.js, EJS

Implemented secure authentication and role-based content access

Managed database schemas and streamlined data retrieval.

Encouraged user engagement by allowing post interactions and feedback.

### Worker Manager – Work Assignment Tool | [Link](#)

**Technologies:** React.js

Engineered a task management system for workers with filter and sort options.

Designed dynamic state management using React hooks.

Customized user views for pending, completed, and cancelled work.

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## CERTIFICATIONS

>> VALUE ADDED TRAINING WEB DEVELOPMENT WITH HTML 5, CSS 3, JAVA SCRIPT, BOOTSTRAP | [Link](#)

>> VALUE ADDED TRAINING WEB DEVELOPMENT USING DJANGO | [Link](#)

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## LEADERSHIP & ACTIVITIES

>> Organized Departmental fest and coding events in college.

>> Collaborated as a Core Web Team Member of **Google Developer Student Clubs – Netaji Subhash Engineering College.**