AALOK SHAW

NSEC | SOFTWARE ENGINEER   aalokshaw2003@gmail.com (+91) 6290529857 | Portfolio | Linkedin | Github

PROFESSIONAL SUMMARY

Results-driven B.Tech Computer Science student (Netaji Subhash Engineering College, 7.76 CGPA) with hands-on experience in full-stack development, product design, and data-driven decision-making. Proven track record of co-founding and leading product initiatives from ideation to launch, optimizing user experience and scalability. Passionate about leveraging AI/ML, analytics, and agile methodologies to deliver impactful digital products for diverse users.

ACADEMIC QUALIFICATIONs

- NETAJI SUBHASH ENGINEERING COLLEGE   *(2022 - 2026)*
  o Bachelor of Technology in Computer Science & Engineering: 7.76/10

PROFESSIONAL EXPERIENCE

CHILDTYNKER (India)   *12/2024- 07/2025*

Software Engineer Intern

Co-developed the entire website for Child Tynker, an EdTech company.	- Co-led product development for an EdTech web platform serving **500+ active users**, using React.js, Node.js, and Firebase. - Collaborated cross-functionally with designers and educators to build an **admin panel** for class scheduling and payment management. - Reduced page load time by **30%** and improved UX responsiveness through performance optimization and caching strategies. - Participated in agile sprints and delivered data-backed presentations on feature performance and user engagement metrics.

PROJECTS (STARTUP)   *6/2023 - 6/2024*
CUTSPAY

CO-FOUNDER

Digital Transaction Platform (Startup Project)	- Co-founded and launched a **digital transaction platform** for small merchants and rural vendors. - Defined product roadmap and MVP through user interviews, competitive analysis, and prototype testing. - Designed and implemented secure **payment gateway APIs** with React.js frontend and Firebase backend. - Reached finals in **IIT/IIM business competitions** and won **3 national awards** for innovation and scalability. - Managed a **5-member cross-functional team**, ensuring timely delivery of product features under startup conditions.

PERSONAL PROJECTS

1.   StudioCloudChild (Workshop Booking Platform)

Tech Stack: React.js, CSS
Description:
- Designed and launched a responsive booking system with a focus on **UI/UX optimization** and modern design principles.
- Integrated analytics tracking to monitor engagement metrics and identify areas for UX improvement.

2.   Baquaiveda (Full-Stack Web Application)

Tech Stack: React.js, Node.js, Express.js, MongoDB
Description:
- Developed a **full-stack web app** with secure database design and REST APIs.
- Applied **algorithmic optimizations** to improve query performance.

3.   Terrabite (Organic Ingredients Platform)

Tech Stack: React.js, Firebase
Description:
   Built a responsive platform with React.js and integrated Firebase for authentication, Firestore database, and storage. Designed dynamic product pages and storytelling sections with real-time updates. Focused on clean UI, mobile responsiveness, and smooth navigation.

TECHNICAL SKILLS

- **Languages**: Java, Python, C++, C, JavaScript, HTML, CSS
- **Frameworks & Tools**: React.js, Node.js, Express.js, MongoDB, Firebase, SQL, Git/GitHub
- **Core CS Knowledge**: Data Structures & Algorithms, Object-Oriented Design, Complexity Analysis

Achievement: Secured 2nd position in a National Hackathon for the *Ecometric* project **| 3rd position in *Hackolution* organized by IEM Kolkata**
Logistics Head, Entrepreneurship Club (2024–2025) | Conducted 2 bootcamps on Frontend & SEO, trained 10+ students in React.js, HTML, CSS, JS