

Shuvadeep Mondal

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SUMMARY

Final-year Computer Science & Engineering student with proven experience in web development, AI-based optimization, and open-source leadership. Skilled in building scalable, high-performance applications and deploying them using modern DevOps practices. Adept at working in Agile teams, integrating APIs, and ensuring production-ready solutions. Actively seeking software engineering opportunities to deliver impactful solutions.

EDUCATION

B.E. in Computer Science & Engineering

University Institute of Technology, The University of Burdwan | 2022 – 2026

WORK EXPERIENCE

Web Development Intern – InternPro | June 2025 – July 2025

- Developed and optimized responsive web pages with React.js, Tailwind CSS, and JavaScript, improving page load speed by 30%.
- Integrated REST APIs for seamless data flow, reducing response time by 25%.
- Collaborated in an Agile/Scrum environment, contributing to sprint planning, bug fixes, and 3+ feature releases.
- Assisted in setting up CI/CD pipelines for smoother deployment cycles.

PROJECTS

SAGE – AI-based Timetable Scheduling Tool

- Designed a cross-platform timetable system with React and React Native.
- Implemented AI-driven optimization algorithms, reducing scheduling conflicts by 95%.
- Achieved real-time updates with scalable backend support (SQL, Python).

BID (Buy–Interact–Deal) – Blockchain Marketplace

- Built a blockchain-enabled trading platform for students.
- Integrated AVAX crypto payments and secure bargaining features, boosting adoption by 40% in pilot.
- Enhanced transaction transparency and security via smart contracts on Avalanche.

UNITE – Social Service Provider Platform

- Created a community-driven platform for social service requests and offers.
- Implemented secure authentication with 2FA, reducing login issues by 50%.
- Deployed with Docker containers, ensuring zero downtime and scalability in production.

SKILLS

Frontend: React.js, Next.js, Tailwind CSS, Bootstrap, Shadcn UI, Redux, TypeScript, JavaScript

Backend & Databases: Node.js, Express, Prisma, MongoDB, SQL

DevOps & Tools: Git, GitHub, Docker, Linux, Agile/Scrum, CI/CD pipelines

Cloud & APIs: REST APIs, Firebase, AWS (basic), scalability, microservices

Languages: Python, C, Java, Rust

Testing: Jest, Cypress (basic)

Design: Figma, Canva

Soft Skills: Team Collaboration, Problem-Solving, Mentoring

COMMUNITY & LEADERSHIP

- Core Committee Member (Design & Web Team) – CNCF Durgapur (Sep 2024 – Present)
- Project Admin – GSSoC'25 (June 2025 – Present)
- Design Lead – The CodeBird (UIT, BU) (Sep 2024 – Apr 2025)
- Top Evangelist – Frosthacks_S1 (July 2025 – Present)