Arnabh Sinha

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EDUCATION

B.Tech, University of Engineering and Management, Kolkata (2022–2026)	8.9 SGPA (5th Sem)
Class 12 (CBSE), Army Public School (2022)	82%
Class 10 (ICSE), Good Shepherd School (2020)	90%

EXPERIENCE

Unimad.ai — Full Stack Developer Intern   April 2025–Present (Remote)
- Designed scalable backend APIs in Django for AI-driven interview preparation, managing session storage and real-time updates.
- Partnered with prompt engineers to incorporate LLM workflows for optimized interview responses.
- Engineered front-end functionalities with React Query and Zustand, enhancing data synchronization.

True Mentor — Full Stack Developer Intern   Jan 2025 - April 2025 (Remote)
- Constructed a full-stack platform sustaining 4000+ users with consistent reliability.
- Implemented a live messaging feature using WebSockets in Node.js, minimizing API latency by 50%.
- Enhanced UI performance by creating responsive React.js interfaces, accelerating load times by 40%.

Daphnis Labs — Full Stack Developer Intern   Oct 2024–Jan 2025 (Remote)
- Engineered backend services in Node.js, achieving a 30% reduction in response delay.
- Refined MongoDB queries, elevating database throughput by 45%.
- Transformed Figma mockups into adaptive React.js components, increasing page responsiveness by 30%.

SKILLS

- **Languages:** Java, JavaScript, TypeScript
- **Version Control:** Git, GitHub, Docker
- **Cloud:** Google Cloud Platform (GCP), AWS
- **Database:** MongoDB, PostgreSQL, Supabase
- **Frontend:** React.js, Next.js, HTML, CSS, Tailwind, ReactQuery, Zustand
- **Backend:** Node.js, Express.js, Spring Boot

PROJECTS

Kavach.Ai   Link
- KavachAI is an AI-powered cybersecurity co-pilot with a VS Code extension that detects and mitigates vulnerabilities in real-time across web apps, smart contracts, and local code.
- Built a multi-environment platform supporting local, web, and blockchain security, streamlining secure coding in the era of rapid "vibe coding."
- Integrated intelligent security agents into developer workflows for proactive threat detection, automated code fixes, and secure-by-default development.

Alertra - Smart ID Card
- Developed an IoT-based safety solution with Raspberry Pi and Geolocation integration.
- Enabled SOS alerts transmitting real-time locations, enhancing user security by 83%.

LearnSync   Link
- Built an AI assistant promoting education accessibility for ADHD, Autism, and Dyslexia, improving reach by 55%.
- Architected a backend with Node.js, Express, and MongoDB to streamline content delivery.

ACHIEVEMENTS

- **HackByte 3.0 (IIITDM Jabalpur):** 2nd Runner-up and MongoDB Track Prize.
- **Research Paper (ALERTRA):** Published through Microsoft CMT, 2025.