

Sneha Pal

Agartala, Tripura

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🌐 [LinkedIn](#)

🐙 [GitHub](#)

🌐 [Portfolio](#)

EDUCATION

ICFAI UNIVERSITY, Tripura

B.Tech - Computer Science and Engineering - **CGPA: 8.8**

2023 – 2027

Tripura

EXPERIENCE

AI/ML Intern at IIIT Kalyani

Indian Institute of Information Technology Kalyani

Jun 2026 – Present

Remote

- Developed a Sanskrit NLP pipeline involving data collection, preprocessing, and dataset preparation for part-of-speech tagging from the Bhagavata Purana.
- Fine-tuned and benchmarked multiple transformer models using LoRA, evaluating their performance for Sanskrit POS tagging with standard NLP evaluation metrics.
- Links: 🐙 [GitHub Repo](#)

Full Stack Developer Intern at NIC

National Informatics Centre

Jun 2025 – Aug 2025

Agartala, India

- Developed and maintained RESTful APIs for a Self-Help Group (SHG) Management System using NestJS, TypeScript, TypeORM, and PostgreSQL, implementing CRUD operations for SHGs, members, meetings, savings, loans, and repayments.
- Built secure backend services with JWT-based authentication, role-based authorization, and a structured relational database design to ensure scalable and reliable management of financial and organizational data.
- Links: 🐙 [GitHub Repo](#)

PROJECTS

IGNITA

- Built a full-stack event aggregation platform surfacing hackathons, internships, coding contests, workshops, and scholarships in one place.
- Implemented JWT authentication, role-based access control, event bookmarking, personalized notifications, and an analytics dashboard for admin event management.
- Links: 🐙 [GitHub Repo](#) 🌐 [Live Project](#)

MyPrep

- Built an AI-powered learning platform with voice-based learning companions, personalized roadmaps, and progress tracking.
- Integrated Vapi AI for real-time conversational learning, with Clerk authentication and Supabase PostgreSQL for data management.
- Links: 🐙 [GitHub Repo](#) 🌐 [Live Project](#)

Grubbly

- Built a MERN-stack food delivery platform with multi-role architecture (customer/vendor/delivery), featuring Leaflet maps and WebSocket-based real-time order tracking.
- Implemented Razorpay payment gateway, dual payment methods (online/COD), persistent MongoDB cart management, and Docker containerization enabling seamless production deployment.
- Links: 🐙 [GitHub Repo](#) 🌐 [Live Project](#)

ACHIEVEMENTS

Founder, Bloom – Built a women's health & wellness platform; selected in the **Top 12 startups** at **MeitY TIDE 2.0 Northeast Techathon**, a joint initiative of the Ministry of Electronics & IT (Govt. of India), IIM Calcutta Innovation Park, and IT Dept. Tripura (Aug 2025).

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, TypeScript

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, shadcn/ui

Backend: Node.js, Express.js, NestJS, REST APIs, gRPC, JWT Authentication

Databases: PostgreSQL, MongoDB, MySQL, Supabase

ORM/ODM: TypeORM, Prisma, Mongoose

Cloud & DevOps: AWS (EC2, S3, IAM, RDS, VPC, ECS, EKS, Lambda), Docker, Docker Compose, Jenkins, GitHub Actions, Linux, Nginx, Terraform (Basics)