

SHASHWAT DWIVEDI

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EDUCATION

Indian Institute of Information Technology, Kalyani
B.Tech - Computer Science and Engineering - **CGPA - 8.72**

2022 – 2026

Kalyani, West Bengal

EXPERIENCE

Wisit Digital Innovation Labs 🏢 | Software Developer Intern

March 2024 - Present

- Developed a full-stack travel planning platform using MERN stack (**MongoDB, Supabase, Express.js, React.js, Node.js**), integrating **Google Maps Distance Matrix API** to calculate real-time travel time, distance, and cost estimation with over **95% accuracy in test environments**.
- Implemented an **AI-driven recommendation system** that personalizes destination suggestions based on **user preferences, travel budget, itinerary constraints, and historical data analysis** tested with **100+ mock itineraries** for validation.
- Created a **responsive UI** supporting advanced filters, personalized itineraries, interactive maps, and route planning; achieved **40% faster load times** through lazy loading and API call optimization..

PROJECTS

PINAAK Edutech 🏢 | [Next.js](#), [Node.js](#), [AWS](#), [Clerk](#), [Stipe](#), [Docker](#), [Shadcn](#), [DynamoDB](#), [Lambda](#) 2025

- Spearheaded a full-stack LMS using **Next.js, Node.js, and AWS** with **5+ APIs, 20+ components, Clerk auth, and Stripe** payment integration.
- Implemented comprehensive **course management, adaptive learning paths, and scalable backend architecture** utilizing **AWS DynamoDB, S3, CloudFront, and Lambda** functions for high availability and performance.
- Deployed frontend on **Vercel** and backend on **AWS Lambda** via **API Gateway**, using **Docker** and **AWS ECR** to enable scalable, containerized deployment with **50% faster build and release cycles**.

PINAAK PrepMaster 🏢 | [Next.js](#), [Firebase](#), [Vapi AI](#), [Google Gemini](#), [Zod](#), [shadcn](#), [Tailwind CSS](#), 2025

- Develop PINAAK PrepMaster, an **AI-driven** mock interview platform with **real-time voice interviews and instant feedback** using **Next.js, Firebase, Vapi, and Google Gemini**.
- Engineered a **15+ reusable components** with responsive UI (**TailwindCSS, shadcn/ui**) and integrated **type-safe validation (Zod)** and secure **API logic for scalable, modular architecture**.
- Integrated **voice-based AI workflows** and feedback loops by **orchestrating backend logic, authentication, and flexible routing** to support future growth to thousands of users.

PINAAK Wheels 🏢 | [NodeJs](#), [ExpreeJS](#), [MongoDB](#), [RabbitMQ](#)

2025

- Streamlined **PINAAK-Wheels, a cab ride microservice application** with independent **User, Captain, and Ride services**, enabling seamless ride management using **RabbitMQ** for inter-service communication..
- Executed **long polling for real-time ride updates**, ensuring efficient ride request handling and status updates between captains and users.
- Architected and deployed a **scalable backend architecture using Node.js, Express.js, MongoDB, and JWT authentication**, with each service running independently and connected through a **central API gateway**.

TECHNICAL SKILLS

Languages: C++, C, Java, Python, JavaScript, SQL, Solidity

Backend: Node.js, Express.js, Supabase, Firebase, RabbitMQ, MongoDB, Redis, RabbitMQ, Kafka

Frontend: React.js, Next.js, TailwindCSS, HTML5, CSS3, Shadcn/ui, MaterialUi, Bootstrap

Cloud & DevOps: AWS (Lambda, DynamoDB, S3, API Gateway, CloudFront), Docker, Kubernetes, Jenkins, Terraform

Tools: Jupyter Notebook, Postman, Git, GitHub, Cloudinary, MongoDB Atlas, ViteJs, Figma

ACHIEVEMENTS

- LeetCode:** Solved **500+ DSA problems**
- Leadership:** GDSC IIIT Kalyani (External Core, 2023–24), Organizer – **StatusCode1** (2024).
- StatusCode0:** Education Track **Winner**

2023