Sandesh Shrestha

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EDUCATION

Inspiria Knowledge Campus   Siliguri, India
Bachelor of Computer Applications   *Aug. 2022 – May 2025*
- Relevant Coursework: DBMS, Computer Networking, Data Structures and Algorithms, Operating Systems, Web Technologies, OOP in Java, Software Engineering

ACHIEVEMENTS

- Top 5 finalist in East Asia's largest hackathon among 200+ participants.
- Built a real-time multiplayer game platform adopted in multi-college competitions; awarded for the application and its impact.
- Received an award at East Asia's largest pitch fest for proposing a application solution addressing food waste, hunger, and NGO coordination.

EXPERIENCE

Fordel   Oct 2024 – Present
Software Development Engineer   *India*
- Took ownership of challenging, high-impact development tasks and handled end-to-end deployment of the production application.
- Delegated tasks across the team based on complexity and priority, while actively contributing to development.
- Conducted regular code reviews alongside my own tasks to ensure consistency, knowledge sharing, and team efficiency.
- Followed Clean Architecture principles to build a modular, maintainable, and scalable backend system.

Bluestock   2024 – 2024
Backend Engineer   *Pune, India*
- Worked under a senior engineer to develop a scalable backend system using Node.js and Express.
- Assisted in debugging production issues and improving backend system stability.
- Collaborated with frontend and QA teams to ensure smooth API integration and end-to-end functionality.

PROJECTS

Formula – Skincare Ecommerce | *Next.js, NestJS, PostgreSQL, Docker, AWS*   Oct 2024 – April 2025
- Engineered a scalable full-stack ecommerce platform with over 50K lines of production code delivered in 9 months.
- Implemented core features including product catalog, shopping cart, order management, and payment gateway.
- Structured backend services using Clean Architecture to ensure modularity, testability, and long-term maintainability.
- Deployed and managed the application on AWS using Docker and NGINX, enabling robust CI/CD and 99.9% uptime.

Learning Management System | *Next.js, Node.js, Express, PostgreSQL, Prisma, Docker, Socket.io*   2025
- Architected and deployed a production-ready LMS for Word Impact Network with role-based dashboards for admins and students.
- Engineered robust modules for course and user management, exams, video streaming, and progress tracking.
- Integrated a real-time chat system using Socket.io to facilitate student-instructor interaction within courses.
- Developed and containerized scalable backend APIs using Express and Prisma, ensuring reliable cloud deployment with Docker.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Go, Java
Frontend: Next.js, React.js, Tailwind CSS, Bootstrap, Framer Motion, GSAP, HTML5, CSS3
Backend: Node.js, Express.js, NestJS, Firebase
Databases: PostgreSQL, MongoDB, MySQL, Prisma ORM
Cloud & DevOps: Docker, NGINX, AWS (EC2, S3), GitHub Actions
Developer Tools: Git, Postman, Insomnia, VS Code
Architecture Patterns: RESTful APIs, Clean Architecture, MVC, CI/CD pipelines