

SABIN PANT

sabinpant100@gmail.com · +977 9845943810 · [Linkedin](#) · [Github](#) · [Portfolio](#)

CAREER OBJECTIVE

Backend developer with hands-on experience in Node.js, NestJS/ExpressJS, and PostgreSQL, supported by five AWS certifications and practical internship work. Currently focused on mastering system design and reliability while building scalable applications. Aspiring to contribute to enterprise-level infrastructure such as banking systems, payment gateways, and financial data pipelines environments where correctness, reliability, and scale are critical.

EDUCATION

BSc (Hons) Computing

2024 – Present

Islington College · London Metropolitan University, Kathmandu

WORK EXPERIENCE

Full-Stack Developer Intern

March 2026 – June 2026

Leaflet Digital Solutions, Kathmandu

- ▶ Building data-intensive systems with Node.js, Express, Next.js and PostgreSQL responsible for both architecture decisions and implementation.
- ▶ Designing and securing API pipelines with JWT authentication and role-based access control across multitenant applications.
- ▶ Producing API documentation with Swagger, enabling clean handoffs and reducing integration time for frontend teams.

TECHNICAL SKILLS

Backend	Node.js, NestJS, Express.js, Java (JSP, Servlets, DAO, Filters, MVC), TypeScript, Python
Frontend	React, Next.js, Tailwind CSS, HTML5, CSS3, Bootstrap, JSP/JSTL
Databases	PostgreSQL, MySQL, MongoDB, Oracle, Prisma/Type ORM, Redis
Architecture	System design, REST API design, JWT auth, role-based access control, event-driven patterns, BullMQ
Cloud & Infra	AWS (EC2, S3, Lambda), Docker, Vercel, Render, Neon, Cloudinary
Tools	Git, GitHub, Linux, Postman, Swagger, Figma, PowerBI,
Soft Skills	System design before code, edge case analysis, documentation, fast learner, extreme attention to detail

PROJECTS

MediLife — Hospital Management System

Java 21 · Jakarta EE · Apache Tomcat 10 · MySQL · Maven · JSP/JSTL · jBCrypt · Gson

- Developed a hospital management platform under MVC architecture with patient registration, doctor approval, appointment scheduling, billing, and medical records.
- Built dual booking flows (Quick Consult vs. Admin-assigned) with rejection/reassignment logic.
- Implemented secure authentication (BCrypt, sessions), doctor licence approval, account lock/unlock, and event-driven notifications with reporting/export features.

Nebula Chat — Real-Time Chat Application [Live Demo](#)

TypeScript · Node.js · Express · Socket.IO · TypeORM · PostgreSQL · Redis · React · Tailwind CSS · Docker

- Built a production-grade chat app with one-to-one and group messaging, dual authentication (OTP + Google OAuth), and JWT-secured WebSocket connections.
- Designed PostgreSQL schema with TypeORM (8 tables, normalized, composite keys) supporting replies, soft deletes, and participant tracking.
- Applied clean architecture (controllers, services, repositories) with global error handling and Zod validation.
- Deployed via Docker Compose (Postgres, Redis, MailHog) with environment-driven configs and secure token rotation.

Data Analysis & Hypothesis Testing

Python · Pandas · NumPy · Matplotlib · Seaborn · SciPy · Jupyter Notebook

- Conducted end-to-end data analysis on a structured CSV dataset covering data loading, cleaning, transformation, and exploratory analysis using Pandas and NumPy.
- Produced statistical visualisations including bar charts, pie charts, and boxplots using Matplotlib and Seaborn to surface distribution patterns and group-level comparisons.
- Performed formal hypothesis testing using Welch's independent t-test (SciPy) to validate data-driven conclusions with statistical rigour.

CERTIFICATIONS

- **AWS Academy Graduate** – Cloud Foundations, Data Engineering, Machine Learning Foundations, Machine Learning for NLP, Generative AI Foundations
- **UI/UX with Figma, Java Object-Oriented Programming**