

SONIYA THAPA

Backend Developer | Node.js Specialist

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PROFESSIONAL SUMMARY

Backend Developer with hands-on experience building Node.js applications serving 300+ users. Proven expertise in Express.js, TypeScript, and database optimization across MongoDB, MySQL, and PostgreSQL. Specialized in designing scalable RESTful APIs with security best practices and performance optimization. Successfully improved API response times by 10-20% through caching and query optimization strategies.

TECHNICAL SKILLS

Backend: Node.js, Express.js, RESTful API Design, TypeScript, JWT Authentication

Databases: MySQL, PostgreSQL (Prisma)

Tools: Git/GitHub, Postman

PROFESSIONAL EXPERIENCE

Web Developer Intern | E-PARBHIDI

August 2025 - November 2025 | Kathmandu, Nepal

- Developed Node.js backends serving 300+ active users in production
- Optimized API performance achieving 10-20% faster response times
- Designed scalable database schemas across MySQL and PostgreSQL
- Implemented security best practices with Helmet.js and rate limiting
- Resolved critical production issues improving application stability
- Collaborated using Git version control and Agile methodologies

PROJECT

Note Management System (MIS)

Node.js | Express.js | MySQL | TypeScript

- Built management platform for 300+ students and faculty with RBAC
- Developed secure REST APIs with JWT authentication
- Optimized database schemas with proper indexing, reducing query execution time
- Implemented security middleware preventing common vulnerabilities
- Integrated Morgan for request logging and monitoring API performance

EDUCATION

Bachelor of Science in Computer Science and Information Technology (BSc.CSIT)
Padmakanya Multiple Campus | Tribhuvan University

Expected Graduation: December 2026 | Kathmandu, Nepal

Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Web Technologies, Software Engineering

CERTIFICATIONS

Web Development Internship Certificate - E-Parbhidi | November 2025

REFERENCES:

Piyush Bhul

Project Supervisor, E-Parbhidi

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