Suyash Dhakal

Dharan, Sunsari

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SUMMARY

Final-year CSIT student specializing in Backend Development. Experienced in building Node.js applications with microservices, Redis, and scalable backend systems. Eager to apply skills in real-world production environments.

EDUCATION

Central Campus of Technology, Dharan   **Mar 2022 – Expected 2026**

Bachelor of Science in Computer Science & Information Technology

- Relevant Coursework: Data Structures & Algorithms, OOP, Database Management Systems, Software Engineering

Bishnu Memorial Secondary School, Dharan   **2020 – 2022**

Higher Secondary Education (+2) in Science

PROJECTS

UrbanFix: An Intelligent E-Governance System ⧉ | MongoDB, ReactJS, Node.js

- Developed full-stack web application using React and Node.js with RESTful API for civic issue reporting.
- Integrated Flask powered ML microservice for intelligent issue categorization.
- Implemented duplicate report detection using OpenAI embeddings and Cosine Similarity with category and location-based blocking.

Notes Microservices Application ⧉ | Node.js, React, Redis, MongoDB, PostgreSQL

- Designed and developed a notes application using a microservices architecture.
- Built an API Gateway to unify access, proxy requests, enforce rate limiting, and verify JWT tokens.

Distributed URL Shortener ⧉ | Node.js, Redis

- Developed a scalable URL shortening service using Node.js backend with distributed Redis architecture.
- Implemented Redis sharding and master-replica replication for high availability and fault tolerance.
- Containerized using Docker with a 3-master, 3-replica setup.

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, C, C++
Frontend Technologies: React.js, HTML, CSS
Backend Technologies: Node.js, Express.js, RESTful APIs
Databases: MySQL, MongoDB, Redis
Tools & Technologies: Git, Postman

POSITION OF RESPONSIBILITY

Founding President at Union of CSIT Students ⧉   **Dec 2023 - Jan 2025**

Central Campus of Technology   *Dharan*

- Founded and led the student association to foster collaboration and organize technical events.
- Coordinated with faculty to improve student academic experience.

College Representative at AWS Cloud Club - TU ⧉   **Mar 2023 - Dec 2024**

Central Campus of Technology   *Dharan*

- Collaborated with AWS Cloud Club - TU to organize a guest lecture on cloud computing technologies.