

Raj Kumar Khadka

Computer Engineer | IT Infrastructure

📞 9861087537 | ✉️ rajkumarkd01@gmail.com | in LinkedIn | 🌐 rajkumark.com.np | 🐙 Github

PROFESSIONAL SUMMARY

Computer Engineer with strong analytical skills, experienced in Linux server administration, database backup recovery, and containerized application deployment using Docker, MongoDB, and SAP HANA. Skilled at troubleshooting infrastructure issues, eager to apply technical skills to support reliable systems.

TECHNICAL SKILLS

Systems & Infrastructure

- Linux (Ubuntu, SUSE), Windows Server
- Docker, Portainer, Nginx reverse proxy & SSL/TLS
- CI/CD pipelines (GitHub Actions, self-hosted runners)

Databases

- MongoDB (replica sets, backup/recovery), MySQL
- SAP HANA administration, monitoring & license management

Programming & Development

- Python, React.js, SQL
- Object-Oriented Programming Concepts
- Basic Android Development, Web Development

Networking & Tools

- Basic networking (IP config, DHCP, routing)
- GitHub, Command Line (Linux & Windows)

WORK EXPERIENCE

BizHub Consulting Services Pvt. Ltd

Full Time

Junior IT Infrastructure

July 2026 – Present

- Deployed and managed MongoDB replica sets and Percona Backup for MongoDB (PBM) with point-in-time recovery across multiple client production servers.
- Administered Docker/Portainer stacks, Nginx reverse proxies, and CI/CD pipelines via GitHub Actions across SUSE and Ubuntu Linux environments.

IT Infra Intern

Apr 2026 – July 2026

- Supported SAP HANA system monitoring, and client-server communication in Linux environments.
- Executed basic admin tasks including service management, log monitoring, and issue troubleshooting for database.

ICT Lab Assistant

Nov 2025 – Mar 2026

Nepal Engineering College (NEC), Bhaktapur

- Supported 100+ students per semester by resolving coding issues in Python, C, and data structures during lab.
- Provided technical troubleshooting for software errors, system crashes, and network issues.

PROJECTS

Ishara Setu - Nepali Sign Language Detection System

Mar 2025

- Collected and curated 13,500+ NSL video samples (51 sign classes) and performed data preprocessing including frame extraction, normalization, and gesture-region filtering using Python and OpenCV.
- Tech Stack: Python, OpenCV, NumPy, Pandas, Matplotlib, TensorFlow, Keras, Jupyter Notebook.

Notera - Notes Management System

Jun 2024

- Designed web platform for organizing academic notes.
- Tech Stack: PHP, MySQL, XAMPP, HTML, CSS, JavaScript, and Bootstrap for web and database management.

EDUCATION

Bachelor of Computer Engineering

July 2021 - Aug 2025

Nepal Engineering College (NEC), Pokhara University

CGPA: 3.83 | Dean's List Award (2025)

- Scholarship Award: Earned 4.0 SGPA in 4th, 6th, 7th, and 8th semesters for academic excellence.