Sumiran Dahal

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Summary of Qualifications

I am a motivated Software Developer with a strong interest in backend engineering and building scalable, secure, and efficient systems. I enjoy turning ideas into practical solutions, learning new technologies, and contributing to meaningful products. I aim to grow as a full-stack developer, refine my skills through real-world challenges, and continue developing as a well-rounded professional.

Education

Tribhuvan University, Amrit Campus *Mar 2022 – Present*
Bachelor in Information Technology

Technical Skills

- **Programming Languages:** C, C++, C# Java, JavaScript, TypeScript, Python, Go
- **Backend:** Node.js, NestJS, Express.js, FastAPI, Bun, REST API Development
- **Databases:** PostgreSQL, SQL, MongoDB
- **Frontend:** React.js, Next.js, SvelteKit, Tailwind CSS, Shadcn UI Compinents
- **Tools & DevOps:** Docker, Git/GitHub, Bash scripting, Postman, n8n
- **Operating Systems:** Linux, Windows automation

Work Experience

Full Stack Intern, Koulier *Jun 2025 – Sep 2025*
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- Contributed to the development of core product features for **Koulier** and **Lexflow**, working closely with senior engineers.
- Built and maintained backend APIs using **Flask** and **PostgreSQL**, improving data handling and performance.
- Performed database schema migrations using **Alembic**, ensuring safe versioning and backward compatibility.
- Developed responsive frontend components with **SvelteKit**, **React** and integrated them with backend services.
- Automated internal workflows using **n8n**, reducing repetitive manual tasks and improving team efficiency.
- Validated and tested API endpoints using **Postman** to ensure functionality, reliability, and accuracy.
- Collaborated through **Git/GitHub**, followed clean code practices, and participated in code review discussions.

Project Experience

EMS — Employee Management System *ems*

- Explored the **dashboard** to monitor key metrics: employees, departments, pending leaves, and attendance.
- **Managed employees**: viewed seeded employees, added new employees, and tested search/filter functionality.
- Created **user accounts** (Admin only) to test different roles.
- Tested **leave request workflow**: submitted leave as employee, approved/rejected as admin/manager.
- Tested **attendance**: employees checked in/out for the day.
- Containerized and published the EMS application on Docker Hub for seamless deployment.
- **Tech Stack:** ASP.NET Core 10, Entity Framework, TailwindCSS, PostgreSQL, Docker

Saramsa — AI PDF Summarizer *saramsa*
- ○ Built a full-stack PDF summarization platform using **Next.js**.
- ○ Implemented secure PDF uploads and storage using **UploadThing**.
- ○ Extracted text from PDFs using **LangChain** and generated summaries via **Gemini** with custom prompts.
- ○ Integrated **NeonDB** for persistent data storage.
- ○ Deployed and maintained the application on **Vercel**.
- ○ **Tech Stack:** Next.js, NeonDB, LangChain, Gemini API, UploadThing

Subscription Tracker API *subscription-tracker*
- ○ Built a secure RESTful API for tracking and managing user subscriptions across services.
- ○ Implemented CRUD operations with robust input validation and error handling.
- ○ Integrated authentication and authorization to protect user-specific data.
- ○ Tested and documented endpoints using **Postman**.
- ○ **Tech Stack:** Node.js, JavaScript, MongoDB

Twitter Clone *twitter-clone*
- ○ Built a responsive clone of the Twitter interface optimized for all screen sizes.
- ○ Implemented reusable UI components and responsive layouts using **Next.js** and **Tailwind CSS**.
- ○ **Tech Stack:** React.js, Next.js, Tailwind CSS

Oodie E-Commerce Clone *oodie-clone*
- ○ Created a fully responsive UI clone of the Oodie product listings page with clean and modern styling.
- ○ Leveraged **Shadcn UI** and **TypeScript** to improve maintainability and code structure.
- ○ **Tech Stack:** React.js, Next.js, TypeScript, Tailwind CSS, Shadcn UI

Interests

DevSecOps: Interested in secure development practices, automation, and building resilient applications.

Cloud & Deployment: Exploring cloud platforms such as AWS, Azure, and Google Cloud, along with modern deployment workflows.