



BINAM SHRESTHA

I am a Computer Engineering graduate (exams completed) with hands-on experience in React and basic backend development (Node.js/Express). Enthusiastic about web and mobile app development, I have also worked on a small AI/ML project using Python. I am seeking an internship or training opportunity to enhance my skills and gain practical experience, and I am eager to contribute to an AI-based internship.

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SKILLS

- **Frontend:** react.js, HTML, CSS(tailwind), JavaScript
- **Backend:** Node.js, Express.js (Basic, currently learning advanced concepts)
- **Mobile Development:** Currently learning React Native
- **Hardware Maintenance:** Basic knowledge of PC/laptop repair
- Creative Thinking

EDUCATION

Higher Secondary School

Sungava College, 2077 BS | GPA: 3.29

Bachelor of Engineering in Computer

United Technical College (Pokhara University), 2082 BS | CGPA: ~3.2

Experience

8th Semester Project: Dynamic Code Visualizer

A web-based tool to visualize code execution

Technologies: Next.js, TypeScript, APIs (piston, LLMs)

Contributions (Team lead)

- Integrated code editor with program execution.
- Developed step-by-step execution and sorting visualizations.
- Prepared full documentation: reports, weekly logs, and presentations.

6th Semester Project: Navigate The City

A web-based application that tracks public vehicles using driver mobile GPS and seat booking system

Technologies: React.js, leaflet, Appwrite(backend)

Contributions (Team lead)

- Integrated openstreetmap, geolocation, routing machine, map features.
- Developed vehicle routes and seat booking system.
- Prepared full documentation: reports, weekly logs, and presentations.

4th Semester Project: Online Attendance Management System

A web-based application that tracks student's attendance with visualization of subject wise attendance.

Technologies: HTML, CSS(Bootstrap), JS, PHP, MySQL

Contributions

- Frontend
- Data entry on database (CRUD operation)
- Prepared full documentation: reports and presentations

Minor ML project: Nepali Currency Identifier

Trained using 1500 images for each denomination (5, 10, 20, 50, 100, 500, 1000).

Technologies: Python, TensorFlow, NumPy, Streamlit

Activities:

- Built and deployed a Streamlit web app for real-time currency recognition.
- Utilized TensorFlow to load and run a custom-trained CNN model.
- Implemented image preprocessing (resizing, normalization) and prediction pipeline.

Additionally worked on some react projects, few react-native projects and 1 flutter project.