

Tank Prasad Awasthi

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EDUCATION

KATHMANDU UNIVERSITY BENG • COMPUTER ENGINEERING

Dec 2022 | Kathmandu, Nepal
School Of Engineering
Cum. GPA: 3.96 / 4.0
Major GPA: 4.0 / 4.0

NEPAL EDUCATION BOARD

HIGH SCHOOL DEGREE
May 2021 | Dhangadhi, Nepal

LINKS

Github:// **Awasthi19**
LinkedIn:// **awasthi**

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms
Object Oriented Programming
C/C++
Database Systems
Operating Systems
Computer Networks
Computer Architecture
Micro Processor

SKILLS

PROGRAMMING

BACKEND:

Java • Java Spring Boot • Python •
FastAPI • Django REST • **FRONTEND:**
TypeScript • JavaScript • CSS •
Next.js

• Electron

DATABASE:

PostgreSQL • MongoDB

FAMILIAR:

Machine Learning • TensorFlow
CNN

AWARDS

2023 Himalayan Coding RunnerUp
2023 KUCC Hackathon Winner
2024 KUCC CodeCamp RunnerUp

PROJECTS

BIJULI WORKSPACE | CLOUD UTILITY SOFTWARE FOR ELECTRICITY

OFFICES

- Developed the backend using Java and the Spring Boot framework for enhanced performance and robust support for financial operations and reporting.
- Built the frontend using TypeScript and the Electron.js framework for a desktop application.
- Developed a native mobile application for meter reading and receipt printing using a connected thermal printer.
- Deployed the backend on AWS using a VPS server and utilized PostgreSQL as the database.

RUP CHITRAN | FACE RECOGNITION AND EMOTION DETECTION

- Developed the backend using Python and Django for efficient recognition and detection.
- Built an emotion detection AI model based on CNN architecture.
- Implemented features for real-time detection and attendance systems.

VEGGIE VAULT | INVENTORY MANAGEMENT SYSTEM

- Developed backend and frontend using C++, Qt, and SQLite for efficient inventory management.
- Implemented features for inventory tracking, reporting, notifications, and data visualization.

EXPERIENCE

PYTHON DEVELOPER REMOTE INTERN | PIXELSHIFT - CARPEDIAM NEPAL

Jan 2025 – Current | Lalitpur, Nepal

- Designed and implemented RESTful APIs using FastAPI for internal services.
- Applied Domain-Driven Design (DDD) and Test-Driven Development (TDD) to structure scalable and maintainable code.
- Improved Python development skills through task-based learning and mentorship from senior developers.
- Working on payment integration module using the Ports and Adapters (Hexagonal) architecture.

FULL STACK WEB DEVELOPMENT REMOTE INTERN | PRODIGY INFOTECH

Jun 2024 – Jul 2024

- Developed backend services using Python and Django framework for a web application project.
- Implemented RESTful APIs to facilitate communication between frontend and backend systems.