Bijan Shrestha
B.Tech CSE

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EDUCATION

B.Tech in Computer Science and Engineering (CSE)   Dec 2020 — Jul 2024
Vellore Institute of Technology - Vellore, India

- CGPA - 8.74 / 10 (Current) | Certificates
- Courses: Database Management Systems, Data Structures and Algorithms, Operating Systems, Software Engineering, Internet and Web Programming, Network and Communications

Secondary Education Examination (+2)   Jul 2017 — Jun 2019
Sainik Awasiya Mahavidyalaya - Bhaktapur, Nepal

- CGPA - 3.59 / 4 | Certificates
- Courses: Physics, Chemistry, Biology with optional Mathematics

PROJECTS

Co-ACT - Project management collaboration platform   2023
React JS, Node JS, MongoDB, Firebase | Code

- Designed a versatile collaborative project management platform that enhances team collaboration and streamlines project implementation.
- Integrated Video conference service using Jitsi Meet API.
- Used Firebase OAuth and Firestore DB service for Authentication and Storage.

Face Recognition Based Smart Attendance System With Web Apps Using Machine Learning   2022
Python, Machine Learning | Code

- Used KNN Algorithm for face recognition and classification.
- Recorded attendance data in a CSV file and displayed it through Streamlit.

NepYatra : Tour and Travel Management System   2022
PHP, MYSQL, HTML, CSS, JavaScript, Bootstrap | Code

- A user-friendly website designed to seamlessly coordinate diverse aspects of your travel experience, including destination research, planning, shopping, and accommodation booking.
- Offers flexible pricing options for new packages, allowing users to reserve their preferred choices.
- Admin can change packages, User Management, Customer details, Discounts, and Reports like Customer Details, Booking Reports, and Shopping.

Smart Parking Management System   2021
Arduino, NODEMCU 8266 programming, Desktop Application Framework | Code

- Provides a solution to the parking problem, to reduce the time to search for parking lots, to eliminate unnecessary travel for vehicles, to save money, and make it easier for customers.

RESEARCH

Plant Disease Detection using Modified Resnet50v2 with transfer learning approach   2023
"The study highlights the role of plant disease detection models in enhancing agricultural productivity and profitability. Leveraging the Plant Village dataset with 54,000 images across 14 crop species, our Resnet50-based model achieved a leading accuracy of 98.72 percent, surpassing models like Normal CNN, Inception V3, and VGGnet.".

Drug Anti-Counterfeiting using Blockchain   2023
This paper presents technology solutions to address challenges, including a Blockchain-based encrypted QR Code system for full drug traceability, and a 3D-Biodegradable label with embedded QR Code, offering vital information on manufacturing, expiry dates, ingredients, quantities, and side effects to ensure credibility and transparency upon scanning.

An Analysis of Sentiment Mining Across Different Domains   2021
This paper explores recent advances in sentiment analysis research across various domains, comparing and contrasting the latest approaches with their predecessors to assess their efficiency.

CERTIFICATIONS

SC-900: Microsoft Security, Compliance, and Identity Fundamentals - Microsoft
Security in Google Cloud Specialization - Coursera

SKILLS

Certificates

Tools and Languages	Java, C, C++, Python, PHP, HTML, CSS, JavaScript, MySQL, Figma, Git and Github, Linux, VsCode
Soft Skills	Team Player, Leadership, Quick Learner, Hard Worker, Designer
Communication	English, Nepali, Hindi

ACHIEVEMENTS AND ACTIVITIES

Certificates

COMPEX Scholarship (Full ride Scholarship for Undergraduate Studies), Embassy of India	2020
Active Member at ERIDE NGO and CUBE VIT Club- VIT University, India	2019
Active Member at Science and Math Club- Bhaktapur, Nepal	2019
Won " YOUNG INNOVATION" awards for "Accident Detection System" in a science exhibition	2019
Participated in Computer Olympiad- CMS, India	2019
Appointed to the honorary color captain position in high school (Leadership)	2019
Won First Place in the District Math Olympiad Competition	2017
Received training of National Cadet Cops Nepal (NCC)	2015