

David Mandal

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Greetings! I am an enthusiastic and highly motivated individual with a strong interest in science, business, philosophy, and technology.

With 5 months of experience in web development and technology initiatives, I have contributed to various projects, leveraging my skills in backend web development. In just 1 year, I aim to enhance my expertise and make a measurable impact in the tech industry.

WORK EXPERIENCE

Code for Change • Kathmandu, Bāgmatī, Nepal • 02/2024 – Present
General Member

Kingsway Academy • Nepal • 01/2024 – Present
Aspiring Back-End Web Developer

SEDS-Nepal • Nepal • 06/2023 – Present
General member

AuraEd • Bāgmatī, Nepal • Hybrid • 07/2023 – 01/2024
General Member

EDUCATION

BSc (Hons) Computer Networking & IT Security
Islington College Kathmandu • 06/2023 – Present

Skills: Packet Tracer • Microsoft Visual Studio Code • Kali Linux • Subnetting • XAMPP • Java • MySql • Nmap • Kali • Team work

Degree
Siddhartha Shishu Sadan • GPA: 3.6 • 01/2021 – Present

+2 in Science
Model multiple college • GPA: 3.2 • 07/2021 – 05/2023

- Top 10 student of grade 11
- Helped conduct and participated in the first science exhibition of the college.
- Participated in an environmental pollution survey around Janaki Temple and helped analyse the data .

CERTIFICATIONS

In-House Robotics Training • 10/2023 – Present
Technobot Education

Basic Sales Training • 08/2023 – Present
Infotech Services

Introduction to Cybersecurity • 06/2023 – 06/2023
Cisco

Introduction to Data Science • 06/2023 – 06/2023

Cisco

NASO Asteroid Search Training • 05/2023 – 05/2023

NASO – Nepal Astronomical Society

AWARDS & SCHOLARSHIPS

Winner of LeaderVerse • 01/2024

Islington College

PROJECTS

Financial-planning app • 02/2024 – Present

This is an ongoing project where I am developing an app which helps people to make sense of whether they can buy the goods they want to or not. The goods include relatively expensive and long term use items like mobile, cars, home, etc

The GitHub repo link is provided below :

<https://github.com/itsdavidmandal/financial-planning.git>

QR-Code-Generator • 02/2024 – Present

This QR generator is a robust web application designed to streamline the process of generating QR codes for any link or content. With just a few clicks, users can transform lengthy URLs into sleek QR codes, ready to be scanned and shared effortlessly. Hosted on Netlify, this QR generator offers a user-friendly interface and intuitive functionality, making it an essential tool for professionals in various industries.

The github link is as follows :

[itsdavidmandal/qrcode-generator \(github.com\)](https://github.com/itsdavidmandal/qrcode-generator)

The website's link is as follows :

[QR code generator \(itsqrgenerator.netlify.app\)](https://itsqrgenerator.netlify.app)

Weather app • 02/2024 – Present

JavaScript weather application utilizing the OpenWeatherMap API to fetch and display real-time weather data for any city. Users can input their desired location and view current weather conditions, including temperature, humidity, wind speed, and an icon representing the weather condition. The application features dynamic updates and error handling for a seamless user experience.

The github link is as follows :

<https://github.com/itsdavidmandal/weather-app.git>

The website's link is as follows :

[Weather \(its-mausam-app.netlify.app\)](https://its-mausam-app.netlify.app)

Modal E-commerce Website for Printers • 12/2023 – 01/2024

Islington college

Led a student team in designing and building a modal e-commerce website for printers, ensuring efficient workflow and timely completion under coursework deadlines.

- Leadership Approach: Delegated tasks: Assigned roles and responsibilities to team members based on their strengths and skillsets, fostering ownership and collaboration.
- Facilitated communication: Established clear communication channels and provided regular updates

to ensure team alignment and goal clarity.

- Managed project milestones: Established and actively monitored project timelines, proactively addressing roadblocks and prioritizing tasks to ensure on-time delivery.
- Mentored team members: Provided feedback and guidance, empowering team members to develop their technical and soft skills throughout the project.

The link of the Github repo is given below :

<https://github.com/itsdavidmandal/collegeprojects/tree/0715ea8e993300e22edc7c81cc920b150c522d18/infosys-sem>

YouTube Video Downloader with Custom Download Folder using Pytube

This Python script utilizes the `pytube` library to download YouTube videos and allows users to specify a custom download folder.

VOLUNTEERING & LEADERSHIP

SEDS-Nepal • 07/2023 - 02/2024

Out reach Secretary

Leo Janakpur • 10/2023 - 10/2023

Participant

Proud to have been part of the Youth Club of Janakpur's plantation initiative. In collaboration with passionate individuals, we achieved our goal of planting 1,100 trees in a single day, leaving a positive impact on our local environment.

Nava Mithila Foundation • 10/2023 - 10/2023

• Janakpur, Madhesh

Contributed to a meaningful volunteer initiative in Janakpur, Nepal, hosted at the bustling Janakpur Railway Station, uniting a diverse group of more than 10k attendees. Actively involved in event coordination and management.

PUBLICATIONS

A PROPOSAL ON DESIGN AND DEVELOPMENT OF AN ADVANCED VERTICAL FARMING FACILITY FOR SUSTAINABLE CROP CULTIVATION IN SPACE MISSION •

06/2023

Seds Nepal