

**Prajjwal  
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Aspiring Software  
Engineer

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(My portfolio)  
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I am a highly motivated and driven student with a passion for **DSA (Data Structure and Algorithms)** and **AI(Artificial Intelligence)** , aiming to apply these skills to streamline processes and increase efficiency in various projects and environments. My academic journey has instilled a strong foundation in **Software and Web Development** , and I am eager to continue learning and honing my expertise. With a proactive approach and a dedication to continuous improvement, I am always looking for opportunities to tackle new challenges, expand my technical knowledge, and contribute to innovative solutions. I am committed to personal growth and excited to further develop my skills in a dynamic and fast-evolving field.

## Education

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**KIST College of Information Technology | Bachelor's in Information Technology**  
*Kathmandu, Nepal | 2023 - Present*

- Currently pursuing a degree in Information Technology.

**Orient College | Class 12 (Computer Science and Management)**  
*Kathmandu, Nepal | 2023*

- GPA: 3.85/4.00 | Topper of College
- Relevant Subjects: Computer Science, Management

**Angels' World International Academy | Secondary Education Examination (SEE)**  
*Kathmandu, Nepal | 2021*

- GPA: 4.00/4.00 | Topper of School
- Relevant Subjects: Optional Mathematics, Computer Science

## Skills

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- Multilingual (Nepali, English, Hindi)
- Effective Communication
- Active Listening
- Adobe Photoshop
- Flutter
- Dart
- Android Studio
- MS Office Package (Word, Excel, PowerPoint, Access)
- WordPress
- JavaScript
- Git
- Git Bash

- Github
- C & C++
- HTML & CSS
- PHP and Python
- Unity
- C#
- Blender
- DSA
- AI
- SQL
- Figma
- Chess

## Projects

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- **Smart\_Traffic\_Management\_System**

Awarded the **Gold Medal** at the **Imageneering Competition** during KIST Fair, this project optimizes traffic flow using real-time data and intelligent traffic light systems. It leverages sensors and AI algorithms to reduce congestion, improve emergency vehicle routing, and enhance overall road safety.

[Link: <https://github.com/Safal-Shrestha/traffic-management>]

- **Hamro\_Canteen**

Developed as part of the **KIST Hackathon**, Hamro Canteen is a smart, automated canteen management system designed to streamline food ordering, inventory tracking, and payment processing. This innovative solution improves efficiency and customer experience in educational institutions.

[Link: [https://github.com/Andipstha/khukuri\\_coders](https://github.com/Andipstha/khukuri_coders)]

- **CipherPayroll**

A robust payroll management system created for the **BIT project**, CipherPayroll integrates seamlessly with HR and accounting systems, ensuring accurate employee payments and deductions. It features secure data handling, tax calculations, and a user-friendly interface for ease of use.

[Link: <https://github.com/Prajjwal-dev/CipherPayroll>]

- **Quiz Game**

An interactive multiple-choice quiz app developed using Flutter, Dart, and Android Studio. The app features a timer, score tracking, and a variety of quiz categories, providing users with an engaging way to test their knowledge. It also includes a stats section to display high scores and solved questions, making it ideal for both casual players and competitive users.

[Link: <https://prajjwal-dev.itch.io/quiz-game>]

- **Python\_Projects**

Built using Python, this project collection includes a variety of applications such as a **QR Code Generator**, **Password Generator**, **Calendar**, and **Weather Forecasting**. Each project offers flexibility in customization and functionality, enabling users to generate QR codes for various applications, create secure passwords, manage their schedules, and obtain real-time weather updates. This diverse set of tools showcases the versatility of Python in solving everyday problems and enhancing user experience.  
[Link: [https://github.com/Prajjwal-dev/Python\\_Projects](https://github.com/Prajjwal-dev/Python_Projects)]

- **PM Kitchen Chaos**

A large-scale game developed over a long period using **C# and Unity**, PM Kitchen Chaos is an engaging and fast-paced cooking simulation. Players manage a virtual kitchen, handle customer orders, and juggle multiple tasks, all while facing escalating challenges in a competitive gaming environment.

[Link: <https://prajjwal-dev.itch.io/pm-kitchen-chaos>]

- **Memory Match Game & TicTacToe**

These fun and interactive games were developed using **HTML, CSS, and Python**. The **Memory Match Game** challenges players to find pairs of matching cards, while **TicTacToe** offers a classic gameplay experience with a clean and intuitive interface. Both games focus on logic, strategy, and user engagement.

[Link of Memory Match Game: [https://github.com/Prajjwal-dev/Memory\\_Match\\_Game](https://github.com/Prajjwal-dev/Memory_Match_Game)]

[Link of TicTacToe: [https://github.com/Prajjwal-dev/tic\\_tac\\_toe](https://github.com/Prajjwal-dev/tic_tac_toe)]

- **Bookmark Manager**

This efficient and user-friendly application was developed using HTML, CSS, and JavaScript. The Bookmark Manager allows users to organize, categorize, and quickly access their favorite websites. It includes features like search functionality, intuitive UI, and seamless navigation to enhance productivity and browsing experience.

[Link of Bookmark Manager: [https://github.com/Prajjwal-dev/Bookmark\\_Manager](https://github.com/Prajjwal-dev/Bookmark_Manager)]

- **PrajjwalGPT**

This ⚡ lightweight and powerful personal AI assistant was built using Python, designed to interact seamlessly using OpenAI's GPT models. PrajjwalGPT securely handles 💬 user prompts by leveraging 🔒 environment variables, ensuring safety and privacy. The assistant is ideal for performing ⚙️ interactive tasks, automating workflows, and providing instant AI-driven responses — making it perfect for quick integrations into personal or professional tools. Its modular structure allows for easy customization and expansion based on specific needs.

[Link of PrajjwalGPT: <https://github.com/Prajjwal-dev/PrajjwalGPT>]

- **FlappyVerse**

Dive into the endless skies with FlappyVerse, a thrilling and dynamic take on the classic Flappy Bird — built with JavaScript! 🕹️ Tap to soar, dodge tricky 🏗️ pipes, and collect points 🏆 in a beautifully animated world featuring an engaging day/night cycle, protective shields, and other exciting power-ups. With its smooth mechanics, vibrant visuals, and intuitive controls, FlappyVerse offers a fun and challenging gameplay experience that keeps you coming back for more!

[Link of FlappyVerse: <https://flappy-verse-prajjwal.netlify.app/>]

- **TransferMaster**

Step into the world of smart football analytics with TransferMaster — a powerful, data-driven tool designed to predict player ratings and transfer market values! 📊 Using advanced performance statistics and real-time market trends, TransferMaster delivers accurate insights to help you make informed decisions in the world of football scouting, fantasy leagues, or game development. Whether you're a fan, analyst, or developer, TransferMaster brings the beautiful game closer to data science!

[Link of TransferMaster: <https://github.com/Prajjwal-dev/TransferMaster>]

## Interests

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- **LeetCode Solver** (enjoy solving coding challenges and improving algorithm skills)

[Link of leetcode Profile: <https://leetcode.com/u/Prajjwal-dev/>]

- **Playing Chess** (strategic thinking and problem-solving through games)
- **Traveling** (exploring new cultures and places)
- **Coding** (designing and developing applications to solve real-world problems)
- **Watching Soccer and Cricket** (avid fan of both sports)
- **Gaming** (passionate about various gaming genres and platforms)
- **Making YouTube Content** (creating videos to share knowledge and experiences)
- **Solving Rubik's Cube** (enjoy tackling challenges and improving dexterity)
- **Making Animations and Using Photoshop** (exploring creativity through digital design)
- **Watching Movies** (appreciating storytelling and cinematography)
- **Learning New Languages** (committed to personal growth and communication)
- **Interactions with New People** (valuing diverse perspectives and building connections)
- **Making Projects** (engaging in hands-on experiences to apply knowledge)

## Accomplishments

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- **Gold Medalist** in the **Imageneering Competition** at KIST Fair, showcasing innovation and project excellence.

- **Collaborated** on the **Hamro Canteen** project during the KIST Hackathon, working alongside numerous seniors to develop a smart solution for food management.
- **Gold Medal in Chess** during Class 12 at Orient College, demonstrating strategic thinking and competitive spirit.
- **Consistently improving** skills in **LeetCode**, **Data Structures and Algorithms (DSA)**, and **Artificial Intelligence (AI)**, actively upscaling my rank on the platform.
- **Outstanding Academic Performance**, recognized for dedication and excellence in studies throughout my educational journey.