KIRAN PAUDEL

kiranpaudel1892@gmail.com
GitHub
LinkedIn

I am a **computer science graduate** with a proven ability to write clean code to solve complex problems using programming language as a tool. Experienced in software design, development, and distribution, with a successful record of accomplishment highlighted by xenmusic, a project I developed that competes with products from major companies. Actively contribute to **open-source projects**, demonstrating a commitment to collaboration and the advancement of technology. A proactive team player with a passion for creating exceptional software solutions. Check my most successful app **xenmusic** from here https://www.xenmusic.app .

A. OUTSTANDING SKILLS

PROGRAMMING LANGUAGES: Dart, Python, C++, C#, Java, JS, Go, Typescript.

FRONTEND: Flutter, HTML, CSS, Tailwind CSS, React.

BACKEND: Flask, Fast API, Express, Django.

DATABASE: Mongo, PostgreSQL, Redis, SQLite.

OTHER: Git, Clickup, Jira, Travis CI, Code magic, Docker, Gemini API, Fast lane, Stripe payment gateway.

B. EDUCATION

1. BACHELORS IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY (BSc. CSIT)

Tribhuwan University | 2017 – 2021 |

Relevant coursework: Java programming, C++ programming, Data structure and algorithm, Object-oriented programming, clean architecture coding, Database management system, MVC coding pattern, Software engineering process management, Software quality testing, Python, C#, Machine learning, Statistics, Machine learning, Software Lifecycle.

Relevant projects:
- Developed XENLANG, a Python-like dummy programming language, using C++ to gain an in-depth understanding of compiler functionality and code execution on machines.
- Developed a Python project to scrape real-time data from Nepal's top e-commerce website, enabling users to find the best deals while shopping online.

2. HIGH SCHOOL, COMPUTER SCIENCE MAJOR

Trinity International College | 2015 – 2017 |

Relevant coursework: Physics, Calculus, Linear algebra, Probability theory, HTML, CSS, Microsoft Office, Microsoft Excel.

3. SCHOOL LEAVING CERTIFICATE

Sathya Sai Shiksha Sadan | 2005 – 2015 |

Relevant coursework: QBasic programming, HTML, CSS, computer basics, public speaking, teamwork, discipline.

C. PROFESSIONAL EXPERIENCE

1. **BYTECARE TECHNOLOGY** (Sr. Flutter Developer)

   Date: 21 Apr 2024 - Present

   Key Technologies used: Flutter, Dart, Git, Nifty, Drift Db (SQL), Firebase app distribution, Docker.

   Reference: https://www.karobarapp.com/

   Roles and responsibilities:

   - Developed Karobar, Nepal's leading personal and business finance management app.
   - Played a key role in designing the project using clean architecture patterns, refactoring the codebase, and providing strategic direction.
   - Designed a database system to locally cache user data efficiently, ensuring smooth synchronization with the server.
   - Developed high-quality software using Scrum project management methodologies.
   - Implemented flavors to customize the app's appearance based on the user's country, providing a personalized experience.

2. **HRIDAYANGAM TECHNOLOGY** (Software Engineer)

   Date: 01 Feb 2023 – 21 Apr 2024

   Key Technologies used: Fast API, Flutter, Dart, Git, Clickup, PostgreSQL, Figma, Redis, Docker, AWS hosting services, Git actions.

   Reference: *Project in progress

   Roles and responsibilities:

   - Implemented the clean architecture design pattern to ensure efficient and maintainable code.
   - Utilized mono repos to develop modular and reusable libraries, following the single responsibility principle.
   - Collaborated with the backend team using Python skills to design high-quality APIs with FastAPI.
   - Employed Docker skills to enhance backend scalability, utilizing Redis for caching, NGINX for load balancing, and serving static files.

- Implemented CI/CD practices, utilizing Git actions to create test artifacts for accelerated software development lifecycle.
- Assisted design team, in identifying and resolving design-related issues to achieve a consistent software look and feel.
- Contributed to open-source projects by identifying and resolving bugs in libraries used in the project.

3. SEVEN BYTE TECH (Lead Full-Stack Developer)

Date: 18 FEB 2021 – 20 JAN 2023
Key Technologies used: Python, React JS, JS, TS, SQL.
Reference: Work experience certificate
Roles and responsibilities:

- Worked in restaurant management app and website.
- Built an online studying platform for a client.
- Helped other interns with understanding the technology used in project.

4. BITSBEAT PVT. LTD. (Intern)

Date: 20 AUG 2020 – 12 FEB 2021
Key Technologies used: Flutter, Dart, NodeJS (TS), MongoDB, Git, Clickup.
Reference: https://www.facebook.com/firstbenchapp/
Roles and responsibilities:

- Developed the mobile application "First Bench app" using Flutter, integrating REST APIs for robust functionality.
- Implemented clean architecture principles to ensure scalability and maintainability of the mobile app.
- Utilized Git for version control, employing Git actions for automated building in the cloud and publishing to Google Play Store.
- Collaborated closely with team members and QA to promptly address and resolve production bugs.
- Conducted extensive code refactoring to enhance compatibility with older versions of Android.

D. CONTRACT BASED PROJECTS

1. NOBLE MORTGAGE AND FINANCE, AUSTRALIA

Full Stack web development
Technologies Used: React Js, Git actions, contentful, TypeScript, Vercel.
Reference: https://www.noblemortgage.com.au/

- Built front facing website using React JS for a mortgage and finance with calculator to give user best loan options.
- Helped client successfully achieve the desired website to solve the business relating problems.

2. WETEAM.ORG, AUSTRALIA
Full Stack web development
Technologies Used: HTML, CSS, Flask, Tailwind CSS.
Reference: https://www.weteam.org.au/
- Website for a non-profit organization based on Australia, helping needy children residing in Nepal.
- Used Tailwind CSS and Flask to build the website.

3. APPLE SCHOOL OFFICIAL WEBSITE
Full Stack web development
Technologies Used: Django, Git, HTML, CSS.
Reference: https://github.com/xenSlayer/apple_school_project
- School management website for school in Nepal, built using Django (python).
- Used Django signals to trigger event actions to send notice to children's parent via email.

E. PERSONAL PROJECTS

1. xenmusic | ultimate music app (major project)
Reference: https://www.xenmusic.app/
- Ultimate music app built using Flutter to work on every platform.
- Used Google Drive API to sync users' music on device to cloud to make it accessible everywhere.
- Used YouTube API to allow user listen and download music.

2. Flick | Search Movies and Series
Reference: https://play.google.com/store/apps/details?id=com.kiran.flick
- An app for searching movies and series that shows information like user rating, views, release date.
- Watchlist to save movies and series as a reminder.
- Used TMDB API to build the app using flutter.

3. Ecommerce Search Engine with KNN Recommendation System (college final year project)
Reference: https://github.com/xenSlayer/search-engine-v1.0.0
- Used python web scraping to collect data from Nepal's top ecommerce website, which is later used as training data.
- Implemented just in time web scraping to collect latest data to compare price of similar products.
- Implemented KNN algorithm to recommend user products based on similar rating and price range.

4. xen_popup_card (open-source project)
Reference: https://pub.dev/packages/xen_popup_card

- Simple popup animation card for flutter.
- Allows user to manually change design to fit their requirements.
- Used git actions to deploy to pub.dev.

5. xen-lang (research project)
Reference: https://github.com/xenSlayer/xen-lang

- A dummy programming language similar to python.
- Lexer, Parser written in C++ with LLVM for byte code generation.
- Basic understanding of programming language by manually building Lexer, Parser, Code generation, Code optimization etc.

6. xen_emojify (open source)
Reference: https://pub.dev/packages/xen_emojify

- xen_emojify is a versatile Flutter package designed to enhance user interaction by providing a rich and engaging way to display Facebook-like reactions within your app.

F. ADDON SKILLS

Adobe Photoshop, Adobe XD, Adobe Premier pro, Ms. Office, Figma.