

# Kartik Buttan

Portfolio – [devkartik.me](https://devkartik.me)

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## EDUCATION

### POORNIMA UNIVERSITY, Jaipur

Bachelor of Technology

2021-25

GPA: 8.4/10

### BVM SCHOOL

HSC (CBSE Board)

2021

Percentage: 85%

### BVM SCHOOL

SSC (CBSE Board)

2019

Percentage: 89%

## WORK EXPERIENCE

### Creware Technologies

SDE Intern, Internship

May 2024 - July 2024

Jaipur, India

- **Developed** the "Manage Workspace" app, a live project now available on the Play Store.
- **Designed and implemented** a Machine Learning model to predict coworking space pricing, utilizing 13+ features.
- **Created and integrated** backend APIs for seamless interaction between the frontend and the Machine Learning model.
- **Developed and optimized** frontend screens to ensure efficient data input and real-time API integration with backend services.
- The "Manage Workspace" app is currently **operational in 5+ office spaces** and manages data for **200+ users**.

### Rachiyata Infinite Pvt. Ltd.

Front-end Intern, Internship

February 2023 - April 2023

Jaipur, India

- **Developed** the frontend of a Management WebApp utilizing **Material Components** for a cohesive UI/UX experience.
- **Gained proficiency in AngularJS** for creating dynamic and responsive web applications.
- **Collaborated** with the backend team to ensure **seamless integration** and full functionality across the application.

## PROJECTS

### Event Management Application

Go Lang, Gin, JWT, SQLite3

[Link](#)

- **Engineered** a backend system for Event Management which includes CRUD operations for an event also managing user subscription to an Event using **Go Lang** and the **Gin framework** to ensure scalability and performance.
- **Implemented JWT** for secure authorization and authentication processes for the users and Protected Routes.
- **Utilized SQLite** for efficient database management and data storage.

### Image Generator Application

Flutter, Dart, Flutter Bloc, Firebase, API Integration

[Link](#)

- **State Management:** Engineered comprehensive state management using Flutter Bloc, optimizing app-wide performance and ensuring a cohesive user experience.
- **Image Generation:** Integrated the "IMAGINE API" for real-time image generation based on user-provided prompts, enhancing dynamic content capabilities.
- **Image Storage:** Implemented flexible image storage solutions, allowing generated images to be saved either locally on the device or in the Firebase Cloud Database.
- **Backend and Authentication:** Deployed Firebase for backend infrastructure, encompassing secure email/password authentication and Google OAuth sign-in, with Flutter Bloc managing authentication and image generation workflows.

### OG Chat Application (Ongoing Development)

Go Lang, Gin, Spotify API, WebSocket, JWT, SQLite3, Flutter, React

[Link](#)

- **Key Feature** - music synchronization feature using **WebSocket** to play music in sync on each chat.

- **Real-time** tracking for sensitive words to enhance user safety and experience.
- Ensured messages are sent in an **encrypted format** for secure communication.

ACHIVEMENTS

NPTEL	<u>Foundations of R Software</u>	2023
UDEMY	<u>Go Lang - Backend Development</u>	2024
UDEMY	<u>Flutter &amp; Dart - The Complete Guide</u>	2024
NPTEL	<u>The Joy of Computing using Python</u>	2022
NPTEL - IIT, Roorkee	<u>Data Analytics with Python</u>	2024
POSTMAN	<u>Postman API Fundamentals Student Expert</u>	2023
CREWARE	<u>Internship Certificate</u>	2024

TECHNICAL SKILLS

<b>Programming languages:</b> C, Python, Java, Go, Dart	<b>Backend Technologies:</b> Go, Gin, JWT, SQLite3, Fast API
<b>Frontend Technologies:</b> React, Flutter, HTML, CSS, JavaScript	<b>Miscellaneous:</b> MongoDB, PostgreSQL, Machine Learning, Git and GitHub, Firebase

RELEVANT COURSEWORK

**Computer Science:** Deep Learning, Data Structures and Algorithms, Databases, Operating Systems, Computer Networks