Ujwal Kumar B R

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PROFESSIONAL SUMMARY

Motivated and forward-thinking **4th-year B.E. studen**t in Information Science with a foundation in **full-stack development** and a growing portfolio of projects in **Web3, blockchain** and **artificial intelligence**. Passionate about building scalable, user-centric web apps, with a keen interest in leveraging cutting-edge AI tools and prompt engineering to drive innovation. Actively involved in Web3 and on-chain activities, with practical experience as a community moderator and content creator within blockchain-focused ecosystems. Known for rapid learning, collaborative spirit and hands-on problem-solving skills. Enthusiastic about participating in hackathons and coding with a creative, "vibe-driven" mindset in dynamic tech ecosystems.

EDUCATION

B.E. Information Science & Engineering (2022-2026)
Dayananda Sagar College of Engineering, Bengalururu
Grade: 8.37

12th (2022)
Vidya Mandir Ind PU College, Bengaluru
Grade: 96.33%

10th (2020)
Samhitha English School. Bengaluru
Grade: 97.12%

TECHNICAL SKILLS

Programming Languages: C, C++, Python, JavaScript, Java

Database: MySQL, MongoDB, Firebase

Tools: VS Code, Git/GitHub, Android Studio, Docker, Linux terminal, Jira

LANGUAGES

Kannada, Telugu, Hindi — Native/Bilingual

English — Proficient

PROJECTS

CapVid – AI Captions Generator for Videos
Python, Flask, Whisper, ffmpeg, HTML/CSS, JavaScript
• Developed a full-stack web app that allows users to upload videos and automatically generate accurate captions using OpenAI's Whisper speech-to-text model.
• Integrated ffmpeg to overlay generated subtitles directly onto videos, enabling seamless download of captioned content.
• Designed an intuitive frontend interface and implemented backend processing pipeline for efficient video handling, audio extraction, transcription, and rendering.

Acoustic Artistry – Voice-Assisted Image Generator
Python, Gradio, Stable Diffusion, Hugging Face, SpeechRecognition, PyTorch
- Built an AI web app that converts voice input to text and generates images using Stable Diffusion.
- Integrated Google Speech Recognition and Hugging Face's Diffusers for speech-to-image conversion.
- Deployed a Gradio interface with PyTorch GPU acceleration for smooth, real-time user interaction.

Restoran – Restaurant Management System
HTML, CSS, JavaScript, Flask, MySQL, Python
- Developed a full-stack restaurant management website with features like menu browsing, service overview and table reservations, using a user-friendly frontend built with HTML, CSS, and JavaScript, and connected to the backend with Flask and MySQL for real-time booking management, customer registration, and data handling.