UJJWAL BALAJI

Dwarka, Delhi, India

☎ +91 9643962032 ✉ ujjwal.balaji1805@gmail.com in https://www.linkedin.com/in/ujjwal-balaji-a26711254/ 🌐
https://portfolio-website-khaki-sigma.vercel.app/ ○ https://github.com/programmerftw

EDUCATION

SRM University   Oct. 2020 – July 2024
B.Tech in CSE with AI and Data Science — CGPA: 7.8   *Sonepat, Delhi-NCR*

EXPERIENCE

Vision Valt   **Aug 2024 – Nov 2024**
ML Intern   *Remote, Delhi*
- Working on the MVP of the chat-bot, focusing primarily on optimization techniques to improve model efficiency and user engagement based on the NLP.
- Designed chat-bot to provide personalized travel recommendations and information.
- Leveraged Hugging Face models for natural language understanding and generation.
- Integrated machine learning algorithms such as SpacY and NLTK to enhance conversational capabilities.

Lorraine Music Academy   **July. 2023 – Sept. 2023**
Full Stack SDE Intern   *On-Site, Gurugram,Haryana*
- Reduced **30% server costs** through the implementation of Jenkins using the Master-Slave Architecture.
- Load Testing and Balancing with the help of Locust for testing Learning Management System.
- Developed a conversational AI chat-bot using Rasa for a Learning Management System (LMS), enhancing user interaction and support.
- Maintained Documentation for System Architecture and Designing.

PROJECTS

ExamTime: Real-Time Exam Scheduler | *NextJS, TypeScript, TanStack, Shadcn, Python, Pandas*   **Feb 2025**
- Developed **Exam Time**, a dynamic timetable generation system designed to eliminate scheduling conflicts between faculty availability and room bookings in schools/colleges. Built using **Next.js** for seamless frontend-backend integration, **Shadcn** for a modern UI, and **TanStack Query** for efficient data fetching and state management. Integrated **Python** for backend logic, including CSV file scraping and processing. The system generates conflict-free timetables in real-time and allows users to download the schedules in **CSV** or **PDF** formats.

Machine Learning Roadmap Guide | *React, TypeScript, Shadcn, Framer Motion*   **Jan 2025**
- Developed a comprehensive ML guide website featuring a 6-month roadmap, curated resources, and study materials. Built using **React**, **TypeScript**, **Vite**, **shadcn**, and **Framer Motion**, the platform offers an intuitive and interactive user experience. Designed to help learners navigate ML concepts effectively.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript ,Python
- **Frameworks:** Node.js, Express.js, React.js, NextJS, Numpy, Pandas, Matplotlib, SpacY, NLTK, Sci-kit Learn
- **Tools:** Visual Studio, Git/Github, Docker, Postman, Expo, Jupyter Notebook, Jenkins, Locust
- **Databases:** MongoDB, SQL, Prisma
- **Soft Skills:** Leadership, Event Management, Mentoring

EXTRACURRICULAR ACTIVITIES

- **Senior Mentor, WeBytes (March 2023 - Aug 2024):** Coordinated and managed WeBytes, the coding club at SRM University, as a Senior Mentor. Organised various events and activities to foster a vibrant technical community and facilitate learning among members. Mentoring 250+ members and orchestrated engaging tech talks and workshops.
- **Lead Organizer, SRM BUILDS 4.0 (Dec. 2023):** Led the SRM BUILDS 4.0, a prominent hackathon event, with a team of organizers. Managed a team of 150 on-ground hackers and achieved a milestone of 800+ registrations, enhancing the event's impact and reach.

CERTIFICATIONS & ACHIEVEMENTS

- **Certificates:**
  - Certificate of Internship Completion with Lorraine Music Academy
  - Certificate of Artificial Intelligence Analyst by IBM
  - Senior Mentor Webytes 2023-2024