UJJWAL BALAJI

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🌐 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

Freelance Developer	**Feb 2025 – Present**
Remote	*Self-employed*

- Collaborated on multiple client projects as a full-stack developer using **MERN stack** and **Next.js**, focusing on scalable, responsive web applications.
- Integrated **Generative AI features** (OpenAI API, prompt engineering) and handled **cloud deployments** (Vercel, AWS).

Vision Valt	**Aug 2024 – Nov 2024**
ML Intern	*Remote, Delhi*

- Worked on chat-bot MVP focusing on optimization techniques to improve model efficiency and user engagement using NLP.
- Integrated SpacY and NLTK algorithms to enhance conversational capabilities for personalized travel recommendations.

Lorraine Music Academy	**July. 2023 – Sept. 2023**
Full Stack SDE Intern	*On-Site, Gurugram,Haryana*

- Reduced **30% server costs** through Jenkins implementation using Master-Slave Architecture and Load Testing with Locust.
- Developed conversational AI chat-bot using Rasa for LMS, enhancing user interaction and maintained system documentation.

PROJECTS

<u>**ExamTime: Real-Time Exam Scheduler**</u> | *NextJS, TypeScript, TanStack, Shadcn, Python, Pandas*	**Feb 2025**

- Built a real-time, conflict-free exam scheduling system for schools/colleges using **Next.js**, **Shadcn**, **TanStack Query**, and **Python**. Supports CSV/PDF export with automated conflict resolution.

<u>**Machine Learning Roadmap Guide**</u> | *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, Langchain, Sci-kit Learn, FastAPI, Langgraph
- **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

- **Atlassian:** Agile Project Management, **Github:** Career Essentials in Github
- **Microsoft:** Career Essentials in GEN AI, **Microsoft:** Career Essentials in Software Development
- **IBM:** Artificial Intelligence Analyst, **Docker:** Docker Foundations Professional