

Ujjwal Tiwari

Full Stack Developer | Java | Angular | React

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CAREER OBJECTIVES :

Motivated and detail-oriented Engineering graduate with strong Java programming skills and a passion for Full-Stack development. Results-driven Full Stack Developer with expertise in the end-to-end development and maintenance of web applications. Proficient in collaborating with cross-functional teams to ensure project success and possessing a proven track record of delivering high quality code within challenging deadlines. Demonstrates strong problem solving abilities and effective communication skills

SKILLS

Languages : Java, Javascript
Frameworks : SpringBoot, Angular, React
Cloud : AWS - ECS, EKS, EC2, S3,
Database. : MySQL (MySQL, PostgreSQL), NoSQL(MongoDB, Redis)
Tools : Kafka, Docker, Hibernate, Kubernetes, CI/CD, RestAPIs, Git, Jira
Platforms : IntelliJ, Visual Studio, Eclipse, Android Studio
Testing : JUnit, Mockito, Load Testing and Optimisation
Concepts : DSA, OOPs, Microservices, Design Patterns, SOLID principles, Agile, SDLC

PROJECTS :

StitchPF – Profile Generator Web App

<https://stitch-8xo5k2lkh-ujjwal02tiwari-rgbs-projects.vercel.app/>

- A full-stack web application that allows users to design and share customizable profile pages with live previews and modern UI/UX.

My Contributions:

- Designed and developed the entire application from scratch using Next.js 14 with App Router and TypeScript.
- Built dynamic profile creation with avatar uploads, themes, and real-time preview powered by Framer Motion animations.
- Implemented robust input validation and error handling using Zod to ensure data consistency.
- Integrated Prisma ORM with SQLite for secure and efficient data storage.
- Focused on modern UI/UX with TailwindCSS, glassmorphism design, and gradient accents for a polished look.
- Deployed the app seamlessly on Vercel for scalability and easy sharing.

Tech Stack:

- Frontend: Next.js 14, TypeScript, TailwindCSS, Framer Motion, lucide-react
- Backend/Database: Prisma ORM, SQLite
- Validation: Zod
- Deployment: Vercel

Neural Net Studio – Interactive Neural Network Trainer

<https://neural-netwroks-frontend.vercel.app/>

A frontend application to visualize and experiment with neural network training in real time. Provides users with tools to configure hyperparameters, stream training metrics, and test models interactively.

My Contributions:

- Built a real-time dashboard using Next.js with SSE/WebSocket integration to stream metrics like activations, sparsity, and layer activity.
- Implemented hyperparameter configuration UI (batch size, epochs, learning rate, model type) with live updates.
- Designed interactive charts for training logs and performance metrics with auto-reconnect, rolling windows, and downsampling for smooth visualization.
- Added light/dark theme support and intuitive UX for monitoring and controlling training sessions.
- Integrated with backend APIs to trigger training, stream logs, and test models seamlessly.
- Deployed the app on Vercel for easy access and scalability.

Tech Stack:

Frontend: Next.js, React, TypeScript, TailwindCSS

Real-time Communication: Server-Sent Events (SSE), WebSocket fallback

Visualization: Dynamic charts with rolling window + downsampling

Deployment: Vercel

Social Profiles :

Leetcode : <https://leetcode.com/u/Ujjwal-rgb/>

Git-Hub : <https://github.com/ujjwal02tiwari-rgb>

Portfolio : <https://ujjwal-pf.netlify.app/>

EDUCATION

Bachelor's of engineering (B.E)

M.S. Ramaiah Institute of
Technology

Dec 2021 - Oct 2025

Higher Secondary School L.B.S

Sr. Sec School Rajasthan , kota

Apr, 2019 - Apr, 2020

Secondary School B.K

Birla Public School

Apr, 2017 - Apr, 2018

ACHIEVEMENTS

- Captain of college cricket team - led the team to victory in the VTU intercollege tournaments.
- Organized and hosted multiple college events/fests – handled event planning and logistics
- Volunteered for college-level NSS/NCC initiatives – took part in community development, blood donation drives, and awareness campaigns
- . Class Representative for 2 years – acted as the liaison between faculty and students, managing schedules, feedback, and academic communication.