# NILESH MUKHERJEE

Kolkata, West Bengal

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## TECHNICAL SKILLS

**Frontend:** HTML5, CSS3, TailwindCSS, Bootstrap, JavaScript, TypeScript, VueJS, ReactJS, NextJS, Redux

**Backend:** NodeJS, ExpressJS, MongoDB

**Developer Tools:** VS Code, Git, Github, Postman, Canva

## WORK EXPERIENCE

**Frontend Developer**        **Tangent Tech Solutions | June, 2024 - Present**

- Developed and supported 10+ Client Projects using **Vue.js** and **Bootstrap 5**.
- Worked with designers to create clean, responsive layouts aligned with client requirements.
- Improved application performance by 30%, leading to faster loading times and better user experience.
- Handled debugging, maintenance, and updates to ensure smooth project delivery.

## PROJECTS

**LearnVerse** ⧉ | Github Repo (FrontEnd) | Github Repo (BackEnd)

- Implemented the full-stack **Learning Management System** backend with user authentication, role-based access (Admin, Student, Instructor) using **ExpressJS**, **JWT**, and **Cookies** for secure session handling.
- Integrated **MongoDB** for data storage, **Razorpay** for payment processing, **Nodemailer** for email notifications, and **Cloudinary** for media uploads.
- The fully **responsive UI** is built using **ReactJS** and **TailwindCSS** with role-based dashboards, course discovery, detailed course pages, enrollment/wishlist, instructor course builder, profile management.
- Client-side validations are implemented via **react-hook-form**. State management was implemented with **Redux Toolkit** and routing with **React Router DOM**.

**SecureVault** ⧉ | Github Repo

- A robust full-stack **Password Manager** with **end-to-end encryption** using **TypeScript**, **NextJS**, and **Express**, featuring secure user authentication via **ClerkJS**, and master password protection for storing encrypted passwords and credit card information.
- Architected **RESTful API** endpoints using **Express.js** with **TypeScript**, implementing CRUD operations for passwords and credit cards, and used **MongoDB** for secure data persistence.
- Built responsive and animated UI components using **TailwindCSS** and **Framer Motion**, featuring protected routes, dashboard layouts, and dynamic forms for password/card management.
- Implemented client-side **encryption/decryption** using **CryptoJS**, handling sensitive data with **bcrypt** for master password hashing.

**Portfolio Website** ⧉ | Github Repo

- A **TypeScript** based personal portfolio using **NextJS** (app-router) with a component-driven structure and server-side rendering.
- The responsive UI layout is built using **Tailwind CSS** and **Framer-Motion** for subtle animations.
- Added server-side API endpoints for contact forms and lead capture with validation and email notifications using **Nodemailer**.

## EDUCATION

**IIEST Shibpur**        **Sept, 2021 – July, 2023**

Degree Name - **MS**        Shibpur, W.B., India

*CGPA - 8.2/10*