Nishant Panchal

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</>LeetCode - nishantpanchal2411

Objective

Motivated **B.Tech CSE graduate (2025)** with a strong foundation in **Data Structures, OOP, and Database Management**. Skilled in building scalable **full-stack web applications** using **MERN stack (MongoDB, Express.js, React.js, Node.js)**, along with **JavaScript, and SQL/MySQL**. Experienced in **REST API development, authentication (JWT), and database management**. Seeking opportunities as a **Software Developer / Full Stack Developer / MERN Developer** to deliver efficient and reliable software solutions.

Experience

Microcosmworks - Full Stack Developer   Dec. 2025 – Present
- Building **Nexum**, an agentic AI platform that enables users to interact with multiple LLMs and their models through a unified interface, featuring an experts section for project creation.
- Implemented **multimodal image context** feature, allowing users to provide image-based context to LLMs for richer and more accurate AI responses.
- Working with **RAG (Retrieval-Augmented Generation)** pipelines powered by LangChain and LangGraph to manage contextual knowledge retrieval in the platform's core.
- Architected and developed a **dedicated microservice** to handle all LLM API calls, decoupling it from the main server to improve scalability, fault isolation, and maintainability.
- Designed a **gateway-based routing system** within the microservice to dynamically route requests to different LLM providers, with each LLM abstracted into its own model layer.

Trayistats AI Technologies -Software Developer Intern (Internship)   July. 2025 – Dec.2025
- Resolved **bugs and performance issues** across backend and frontend modules, improving stability and user experience. Improved load time by 30%."
- Collaborated with the development team to implement new features, optimize APIs, and ensure scalable code. Gained practical experience in **version control (Git/GitHub)**, debugging, and Agile workflows.
- **Developed and integrated new features** for live projects such as **QuickPoll India** and **IP Ranker**, enhancing functionality and usability.

Apna College - Sigma batch student (course)   Dec. 2024 – June 2025
- Focused on **programming concepts, Data Structures & Algorithms (DSA) in Java**, and logic building.
- Gained practical knowledge of **full-stack web development using the MERN stack (MongoDB, Express.js, React.js, Node.js)**.
- Built multiple projects, including a **Spotify Clone** and other web applications, to strengthen hands-on development skills.

Projects

Study Hub — *MERN Stack (MongoDB, Express.js, React.js, Node.js), Bootstrap*
- Developed a **collaborative web platform** where students can **upload, share, and download study notes** anytime.
- Implemented **chat functionality**, enabling students to communicate and collaborate effectively. Built **secure authentication and authorization** with JWT to manage user access.
- Strengthened expertise in **file storage, REST APIs, database management, and community-driven applications**.

Personal Finance Visualizer — JavaScript, Node.js, Express.js, MySQL, Bootstrap, Chart.js
- Developed a **personal finance visualizer web app** using Node.js, Express, and EJS to track and categorize user transactions.
- Built **RESTful APIs for CRUD operations** and integrated a MySQL database for persistent data storage.
- Implemented dynamic **bar chart visualizations** with Chart.js, improving data insights for end users.

Education

Indira Gandhi University, Meerpur *Sep. 2022 – June. 2025*
B.Tech in Computer Science & Engineering — **CGPA:8** Meerpur , Rewari

Government Polytechnic Manesar *Aug. 2019 – June. 2022*
Diploma in Computer Engineering — **CGPA: 7.47** Manesar, Haryana

Dharam Public School *Mar. 2018 – Mar. 2019*
X th — **CGPA:8.88** Palwal, Haryana

Technical Skills

- **Languages**: JavaScript, HTML, CSS, C++, SQL, Java, MongoDB, MySQL, TypeScript, Tailwind CSS, React Router DOM
- **Technologies/Frameworks**: React.js, Node.js, Express.js, Bootstrap, jQuery, EJS, JWT, APIs (REST), Redux, Next.js, RAG, LLM integration
- **Tools**: Git, GitHub, VSCode, Postman, npm, Netlify, REST APIs, JSON, Docker

Achievements

- 150+ LeetCode problems (top 20% percentile).
- Completed Software Engineering Virtual Experience Program – **Accenture.**
- Completed Technology Virtual Experience Program – **Deloitte.**