

VIVEK KUMAR GUPTA

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Objective

Passionate and detail-oriented Software Engineer with a strong foundation in **Next.js, React.js, JavaScript, C++, and Python**. Skilled in developing **scalable, high-performance applications** with a focus on **efficiency, clean architecture, and user experience**. Experienced in **building full-stack solutions, integrating APIs, and optimizing workflows**. Adept at **problem-solving and collaborating in team environments** to deliver impactful software solutions. Seeking a Software Engineer role where I can apply my expertise in **Next.js, React, and backend development**, leveraging AI integration and scalable architecture to build impactful applications.

Projects

Codersz - AI Powered Online Code Editor - [Link] - (Next.js + MongoDB + NextAuth + Tailwind CSS + Open AI Integration, chatgpt-4o-mini)

- Implemented **GitHub & Google authentication** using **NextAuth** with **JWT tokens**, storing user data in **MongoDB**.
- Developed a **real-time code editor** with **C++, Python, JavaScript, and Java** support using **Next.js** and **Monaco Editor**.
- Integrated **Piston API** for live code execution and **GPT-4o-mini** for AI-powered code suggestions.
- Enabled **custom user input**, multi-theme support (dark/light/black), and shareable code links.
- Working on **real-time collaboration** with **Socket.io** and **Google/GitHub authentication**.

Trello - Task Management Tool - [Link] - (Vite + React.js + React Router + MongoDB + Express.js + Node.js + React Context API + Chart.js)

- Built a **Kanban-style task management system** using **Vite, React.js, and React Router** for seamless workflow visualization.
 - Developed a **dashboard** for tracking task progress with real-time status updates (**To Do, In Progress, Completed**).
 - Implemented **MongoDB authentication** for secure user login and **role-based access** to manage tasks effectively.
 - Integrated **React Context API** for state management and **Chart.js** to visualize task analytics.
 - Enabled **team collaboration** with smooth task assignments, updates, and prioritization to improve productivity.
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Work Experience

Assistant System Engineer, Tata Consultancy Services (TCS)

Dec 2023 - Present

- Designed and deployed a **Chrome Extension [Link]** to automate tab switching and scrolling, improving stakeholder efficiency by **30%** and enhancing **data visualization** for key decision-making.
- Enhanced and managed asset inventory solutions using Microsoft Power Apps, streamlining asset tracking and maintenance processes.
- Used a PowerShell script to automate the installation of essential applications, boosting the productivity of IT engineers and operational efficiency by **400%**.
- Resolved **500+** requests without SLA breach.

Full Stack Developer Intern, Software Complete Solution Tech

June 2019 - July 2019

- Developed and maintained web applications with **HTML, CSS, and JavaScript** to meet client needs.
 - Implemented reusable components and optimized front-end code for scalability.
 - Worked with backend teams to ensure seamless integration of **REST APIs**.
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Skills

Programming Languages: Javascript (ES6+), Python, C++, TypeScript

Frameworks: React.js, Next.js, Redux Toolkit, React Router, Context API, React Hooks

Frontend Development: HTML5, CSS3, JavaScript (ES6+), Tailwind CSS, Bootstrap, Framer Motion, Cross-browser Compatibility, Responsive Design, Shadcn/ui

Backend Development & APIs: Node.js, Express.js, API Development, RESTful APIs, Redis, Web Socket (socket.io)

Database Management: MongoDB, MySQL, Supabase

Version Control: Git, GitHub

Deployment & Cloud: AWS, Docker

Other Skills: Problem-Solving, Data Structures & Algorithms (DSA), System Design, Object-Oriented Programming (OOP), Agile Methodologies

Education

Bachelor of Engineering in Computer Engineering

Lokmanya Tilak College of Engineering, Navi Mumbai, Maharashtra | CGPA: 9.55 | **2020 – 2023**

Diploma in Computer Engineering

V.P.M's Polytechnic, Thane, Maharashtra | Percentage: 88.69% | **2017 – 2020**