VIKAS KUMAR YADAV

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Education

Muzaffarpur Institute of Technology, Muzaffarpur	**Muzaffarpur, Bihar**
Bachelor of Technology in Information Technology (Cgpa - 7.64/10)	*Sep. 2020 – June 2024*
Kunwar Singh College Laheriasarai, Darbhanga	**Darbhanga, Bihar**
Intermediate of Science in (PCM) (Percentage - 67/100)	*April 2017 – April 2019*

Technical Skills

Programming Languages: Java, Python, JavaScript, TypeScript

Frontend Technologies: React.js, React Native, Redux, Next.js, Material-UI, PrimeReact, Tailwind CSS, other UI libraries

Backend Frameworks: Node.js, Django, FastAPI, Express.js, RESTful APIs

Databases: MongoDB, MySQL, PostgreSQL, SQL

Cloud & DevOps: AWS (EC2, S3), Docker, Nginx, Apache, Git, Postman

Developer Tools: VS Code, PyCharm, Visual Studio

Areas of Interest: Data Structures and Algorithms, Full Stack Development, Artificial Intelligence, Machine Learning

Experience

Software Developer Intern (November 2024 to Present) **AI Innovation Exchange (Vitti AI)**

- Responsible for monitoring and maintaining the Cobble Alert System, leveraging Django, Machine Learning, and AI to detect and prevent cobble events in the wire rod mill, ensuring smooth production processes.
- Developed full-stack web applications using technologies such as Python, Django, FastAPI, React, MongoDB, MySQL, and SQL to deliver scalable and efficient solutions.

Projects

Mark My Attendance, Bihar Government | *React, Material UI, Tailwind, Node, Express, MongoDB* (**Application Link**)

- Created a dynamic web application for tracking and managing student attendance across Bihar's Engineering and Polytechnic colleges.
- Enhanced user experience with features such as attendance percentage display, PDF report downloads, and real-time record verification.
- Built a RESTful API using Node.js and Express.js to handle frontend requests and seamlessly interact with a MongoDB database.

AI Chat Bot | *React, FastAPI, Tailwind, GEMINI API* (**Application Link**)

- Built a conversational chatbot using React.js and FastAPI, enabling real-time user interactions with intelligent query responses.
- Designed a feature allowing users to upload documents and ask context-aware questions, with intelligent responses powered by Gemini API.

Bus Booking System | *React.js, Node.js, Tailwind, MongoDB* (**Github Link**)

- Developed a web-based bus booking system, streamlining the process of reserving bus tickets online.
- Implemented features such as real-time seat availability, booking history, and instant ticket generation.
- Built a RESTful API using Node.js and Express.js, ensuring smooth data flow between the frontend and MongoDB database.

Achievements / Certifications

- NPTEL Excellence Awards "Data Structure And Algorithms Using Java".
- Problem Soving (Basic), Frontend Developer (React), javaScript (Basic), React (Basic) from Hacker Rank.
- Solve 700+ question on CodeChef + GFG + HackerRank + Leetcode.