Vinay Kumar

Web Developer |

Data Analyst

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Education

B.Tech, Artificial Intelligence and Machine Learning Datta Meghe Institute of Higher Education & Research University, Wardha	CGPA: **63.00**	2021 – 2025
Class 12, State Board, B.B.N College Bathua Bazar, Gopalganj(Bihar)	Aggregate: **61**%	2018 – 2020

Experience

Web Development intern | Data Analyst intern | Align infotech Pvt. Ltd. Nagpur (May 2024 – Nov 2024)

- Developed responsive single-page application using React, JavaScript, HTML5, and CSS3, integrating with Node.js APIs for seamless data exchange.
- Optimized API performance and data processing, reducing load time by **40%** and enhancing application scalability for better user experience.
- Leveraged Git version control, code reviews, and modular reusable components to strengthen maintainability and team collaboration.

Projects

Responsive Web App for Fitness Training & Muscle Development Programs: https://gymandtraining.netlify.app/

Technology Used: JavaScript, CSS, HTML, SQL

- Crafted tailored workout and diet routines using fitness principles to help clients achieve lean mass, strength, and healthy weight gain goals.
- Designed and built a responsive fitness web platform that showcases workout modules, transformation tracking, and personalized program features.

Development of a website for Dr. S. C. Gullane Prerna College of Management and Technology: https://prernacollege.netlify.app/

Technology Used: JavaScript, CSS, HTML, SQL

- Advanced a responsive website for Dr. S. C. Gullane Prerna College using React, improving accessibility, user navigation, and overall operator experience across devices.
- Built a responsive college website using HTML5, CSS3, and JavaScript, implementing dynamic menus and smooth transitions to improve performance, accessibility, and user experience across devices.

Mental Health Predictor: Detection of Depression Using Machine Learning: (Sep 2024 – Nov 2024).

- Designed and established a machine learning model to detect signs of depression by analyzing user-submitted data, enabling accurate and early identification of mental health concerns.
- Integrated the model into a responsive web interface, allowing real-time predictions and providing a tool for early intervention and mental wellness support through user-friendly interaction.
- Executed ML pipeline with Python, Pandas, Scikit-Learn for depression detection, achieving 95% accuracy on user-submitted data.

Application of Machine Learning in Personalized Fitness and Diet Recommendation Instructor Web Application: (may 2024 – Aug 2024)

Technology Used: Machine learning, Python, pandas, Scikit-Learn, Flask, MySQL, JavaScript, CSS, HTML.

- Development a personalized fitness and diet recommendation web app using machine learning, providing real-time AI-driven workout plans and nutrition suggestions tailored to individual user needs.
- Integrated user data analytics to deliver adaptive insights, track health progress, and enhance user experience through interactive and customized fitness and diet features.

Skills

Programming Skills:	JavaScript, React.js, Python, SQL, HTML, CSS,
Tools & Platform:	Jupyter, Notebook, GitHub, Git, VS Code, PostgreSQL
Other Skills:	Data Visualization, Model Development

Hobbies & Interests

- Building simple web or mobile apps
- Data Analysis
- Reading about AI

Additional Information

- **Language:** English, Hindi
- **Extracurricular:** Active participant in coding competitions and hackathons.

Certifications

- Python Libraries: Pandas, NumPy, Scikitlearn, CatBoost
- Python for Data Science (Google Cloud Platform)
- Introduction to Web Development with HTML, CSS, JavaScript