

VISHWAS KUMAR

Chennai, India

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Technical Skills

Languages: Python, Java, C++, C, Dart, HTML, CSS, JavaScript, SQL, MongoDB, Linux

Developer Tools: VS Code, Eclipse, AWS, Android Studio, Netbeans

Frameworks: React, Node.js, Express, Django

Projects

Integrated Development Environment | *React, Node.js, Express.js, Mongo db* **October 2024**

- Developed a full-stack IDE using React.js for the frontend and Node.js with Express for the backend, enhancing user interactions and coding capabilities.
- Integrated and implemented a MongoDB database to optimize storage and retrieval of user profiles, reservations, and code submissions.
- Built a RESTful API to handle authentication, registration, and core application functionalities.
- Utilize Cors.js for secure authentication and data validation, ensuring robust access control and integrity.

ChatBot | *Python, Gemini, Visual Studio Code* **October 2024**

- Built a Python-based chatbot integrating the Gemini API for automated user interactions and response generation.
- Implemented image processing with OpenCV and PIL to analyze and enhance visuals before generating descriptions.
- Developed a responsive UI using Streamlit, linking six distinct scenes to improve navigation and boost task completion rates by 30%.

Stock Prediction Using Machine Learning | *Python, Visual Studio code* **January 2025**

- Developed an interactive stock prediction platform using Streamlit, allowing users to input stock symbols and view forecasts.
- Integrated a pre-trained Keras model with TensorFlow to analyze historical data from yfinance for accurate predictions.
- Applied data preprocessing techniques with Pandas and MinMaxScaler to enhance model performance.
- Created dynamic visualizations with Matplotlib to illustrate stock trends and forecasted movements.

Certification

Cloud Infrastructure Certification **September 2024**
CDAC, VIT Chennai *Chennai, Tamil Nadu*

Education

Vellore Institute of Technology **July 2024 – May 2026**
Master of Computer Application *Chennai, Tamil Nadu*

LN Mishra College of Business Management **July 2021 – May 2024**
Bachelor of Computer Application *Muzaffarpur, Bihar*