Deepak Kumar Saw

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EDUCATION

Vellore Institute of Technology | B.Tech | CSE with Information Security Vellore, TN
Cumulative GPA: 7.71/10.0 *Sep 2022 – Present*

Sri Chaitanya Vidya Niketan | Pre-University Education Vizag, AP
Percentage: 77% *Jun 2019 – Apr 2021*

Dhanbad Public School | Secondary Education (CBSE Board) Dhanbad, JH
Percentage: 86% *Jun 2008 – Mar 2019*

TECHNICAL SKILLS

- **Programming & Scripting:** Python, Java
- **Data & Databases:** SQL, Data Structures
- **Tools & Platforms:** Git, GitHub, GitLab
- **Web & APIs:** REST APIs, HTML, CSS, JWT
- **Full Stack Development:** React, Node.js, Express.js, MongoDB, Firebase, Tailwind CSS

EXPERIENCE

Front-End Web Development Intern May 2025 – June 2025
IIT Delhi × Tryst (Remote)

- Developed 4+ responsive webpages using HTML, CSS, and JS, enhancing accessibility and reducing load time by 30%.
- Collaborated remotely with a 10-member team to build reusable UI components and modular design.
- Improved user engagement by 40% through animations, interactive forms, and feedback systems.

PROJECTS

Stock Analysis & Prediction Dashboard

- Built an interactive dashboard using Python, Streamlit, and yFinance for real-time stock visualization.
- Implemented RSI, MACD, Moving Averages, and Volatility indicators for market trend insights.
- Used SARIMAX model for 30-day stock price forecasting with performance evaluation using RMSE.
- Enhanced UX with Plotly-based charts, dark/light mode, and CSV export options.

AI-Based Wellness Coach

- Developed an AI-powered platform for **posture correction** and intelligent **diet recommendation**.
- Applied **OpenCV** for real-time body landmark detection and NLP models for personalized nutrition insights.
- Built the frontend using **React** and secured backend services with **JWT**-based REST APIs.

SOFT SKILLS

- Strong analytical and problem-solving skills
- Excellent communication and collaboration
- Adaptable, quick learner, and result-oriented
- Effective leadership and teamwork under pressure

EXTRACURRICULAR

- **Captain – VIT Cricket Team:** Led university team in inter-college tournaments, improving coordination and strategic planning.