Vishal Verma

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EDUCATION

University School of Information and Communication Technology, GGSIPU — CGPA : 8.21
Bachelor of Technology in Information Technology (Minor Specialization - Machine Learning) — *Dec 2021 – Jun 2025*

Kendriya Vidyalaya Sainik Vihar — Percntage : 87%
Class 12th CBSE — *2019 – 2020*

EXPERIENCE

Utkrisht Research Internship — August 2023 – September 2023
GGSIPU — *New Delhi, IN*
- Implemented a system that combines underwater image enhancement techniques with state-of-the-art object detection using **YOLOv5**.
- Proficiently trained this object detection model using an extensive dataset comprising over **2000** labeled underwater images, resulting in enhanced model accuracy of **84%**.

PROJECTS

House Edge — `Deployed Link` | `GitHub Repo`
- Engineered a **house price prediction model** using Pandas and Scikit-learn, achieving best **r2 score of 0.806** by analyzing factors like area, location, and bedrooms and created an interactive UI with React.js and Tailwind Css.
- Utilized advanced preprocessing techniques such as **data standardization** and **one-hot encoding** to enhance model performance and showcased expertise in **data cleaning, feature engineering, and model evaluation** ensuring accurate and reliable predictions.
- **Technologies Used** : Python, Pandas, Sci-kit Learn, Matplotlib, React.js, Tailwind CSS, Vercel

InsightChat — `Deployed Link` | `GitHub Repo`
- Developed a **WhatsApp Chat Analyzer** from scratch, improving data-driven decision-making by **10%**.
- Extracted key insights like message frequency, word counts, and user activity.
- Designed an interactive interface for exploring chat history and generating visualizations, boosting usability and user experience.
- **Technologies Used** : Machine Learning, Python, Streamlit, Seaborn, Render

Express Resume — `Deployed Link` | `GitHub Repo`
- Utilizing React, this project enhances user experience and achieves seamless information input.
- **Tailwind CSS** enhances resume templates, boosting visual appeal and responsiveness.
- Implemented **Firebase authentication**, enabling users to log in via Google, cutting login time by up to **50%** and providing instant access to diverse resume templates.
- **Technologies Used** : React.js, Tailwind CSS, Firebase, Vercel

POSITION OF RESPONSIBILITY

Technical Team Lead | IEEE GGSIPU — September 2023 – Present
- Spearheaded IEEE Week event, fostering tech innovation and networking among **300+** participants.
- Delivered a **Redis** technology session, covering data caching, messaging, and geospatial applications, enhancing knowledge for over **100** attendees.

TECHNICAL SKILLS

Programming Languages: C++, SQL , Python, Java , JavaScript
Libraries/Frameworks: Django, React.js, Flask, Firebase, TailwindCss, Seaborn, Scikit-Learn, Streamlit
Databases/Developer Tools: PostgreSQL, Git/Github, VS Code, Jupyter Notebook, Google Colab, Pycharm, Figma
Soft Skills: Leadership, Presentation, Communication Skills, Researching

ACADEMIC ACHIEVEMENTS

1. Ranked in Top **100** out of **3500** teams in **ACM ICPC Regionals**: Qualified for the **ICPC Amritapuri Regionals**.