

CHAHAT DHIR (she/her)

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Education

Vellore Institute of Technology

B. Tech

October, 2022 - 2026

Computer Science and Engineering with specialization in Health Informatics

Internship

UI/UX Intern – The Entrepreneurship Network (TEN), Delhi (2025)

- Designed user-centred prototypes for mobile and web applications using Figma.
- Created wireframes, interactive flows, and high-fidelity prototypes to support product development.

Projects

Eco-Sustain: Smart Inventory & Waste Tracker – Sustainable Tech Prototype: Python (Flask), SQLite, HTML/CSS, JavaScript

- Developed a digital inventory system using Flask and SQLite to monitor food lifecycles and automate expiry alerts, directly reducing household resource waste.
- Architected the end-to-end user journey and designed an interactive prototype to optimize the data-entry flow, ensuring a low-friction interface for high-frequency inventory tracking.

Health Trends Analysis – Financial & Data Analytics: SQL, Microsoft Excel

- Used SQL to analyse healthcare data to identify the most expensive service categories, providing a clear picture of where funds were being utilized.
- Created Excel reports to track resource usage patterns, helping to predict future supply needs and assist in basic budget planning

Road Accident Data Analysis – Power BI Dashboard Tools: Power BI

- Created an interactive dashboard using slicers, KPIs, donut charts, and visuals to analyse accident severity trends and provide actionable insights
- Utilized data visualization to identify "high-risk" variables, providing a decision-making framework for city planners to prioritize road safety interventions.

NewsFetch – Real-Time Web-Based News Application

- Developed a web application that fetches and displays real-time news across multiple categories using news APIs, offering users a personalized and seamless news reading experience.
- Conducted user flow mapping to minimize friction in content discovery, ensuring the interface prioritizes high-relevancy news for increased user engagement.

Academic Achievements and Awards

- Professional Data Analytics – Coursera
- SQL Certification – Oracle Cloud
- UI/UX Design Certification – Ethnus

Skills

- **Financial Management** - Financial Analysis, Accounting, Budgeting & Forecasting
- **Project Management** – Trello , Confluence, Product Lifecycle Management (PLM)
- **Data Analysis/Visualization Tools:** Microsoft Excel (Pivot tables, VLOOKUP), Power BI, Tableau, Python
- **Databases:** SQL
- **Programming:** Python (Pandas, NumPy), HTML,CSS
- **Software Testing & QA:** SDLC/STLC knowledge, Test Case Design, Bug Reporting, Quality Assurance , Agile Methodologies
- **UI/UX & Graphic Design:** Figma, Adobe XD, Adobe Photoshop, Adobe Illustrator

Languages - English, Hindi, Punjabi