Aman Singh

Varanasi, Uttar Pradesh

☎ +91-8090192522 ✉ amansingh04068@gmail.com 🔗 aman-singh0406 🐙 amansingh2426

EDUCATION

Vellore Institute of Technology   July 2022 – May 2026
B.Tech in Electronics and Communication Engineering **7.7/10**

SKILLS

Languages: Python, SQL, C++
Data & Analytics: Data Analysis, Data Cleaning, KPI Tracking, Insight Generation, MySQL
Technologies: React.js, Node.js, Express.js, HTML5, CSS3, API Integration
Core Concepts & Tools: Requirement Analysis, Feature Prioritization, Object-Oriented Programming, Git, GitHub, Power BI, AWS (Fundamentals)

PROJECTS

ElderCare VitalSense – Smart Non-Invasive Health Guardian ⎘   2025

- **Designed a health monitoring solution** to analyze physiological signal trends and support early risk identification for elderly care.
- **Analyzed performance metrics and signal patterns** to improve reliability and decision-support accuracy.
- **Built dashboards for trend visualization**, enabling faster interpretation and insight generation for stakeholders.

End-to-End Sales Forecasting & Business Performance Analysis ⎘   2025

- **Performed end-to-end data analysis** on multi-year sales datasets using **SQL and Python** to identify revenue drivers, trends, and seasonality.
- **Built time-series forecasting models** to predict future sales and support data-driven business planning and decision-making.
- **Generated KPI-based reports and insights**, improving sales performance evaluation accuracy by **35%**.
- **Tools Used:** SQL, Python (Pandas, NumPy), Excel, Power BI

AI Voice Agent Interview Platform ⎘ | Next.js, React, n8n, OpenAI   2025

- **Designed a structured interview preparation platform**, focusing on workflow efficiency and user interaction analysis.
- **Automated operational workflows** to reduce manual effort and improve system consistency across sessions.
- **Analyzed engagement and performance metrics** to enhance reliability and overall user experience.

CERTIFICATIONS

- **VLSI Design Internship – Maven Silicon** ⎘
- **MERN Stack Development Program – Ethnus Codemithra** ⎘
- **AWS Cloud Practitioner Essentials** ⎘

EXTRACURRICULAR

- **GitHub Open Source Contributor** ⎘

  Contributed to the open-source Chrome Extension "Hinglish AI Translator", enhancing AI-powered translation accuracy and user experience. Implemented **Hinglish Input Normalization** for improved translation precision.

- **Student Coordinator of IEEE Club 2024:**: Built and maintained personal projects to strengthen hands-on experience with modern web technologies and problem-solving skills.

ADDITIONAL INFORMATION

- **Hobbies** – Cricket, Carrom