

# AMAN SINGH

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## EDUCATION

Vellore Institute of Technology

July 2022 – May 2026

B.Tech in Electronics and Communication Engineering - **CGPA- 7.68/10**

## SKILLS

**Data Analytics:** SQL, Data Cleaning, Data Structuring, KPI Tracking, Reporting, Dashboarding

**Programming:** Python, SQL, C++, HTML, CSS, React

**Tools:** Microsoft Excel, Power BI, Jira (Basic), Git, GitHub

**Core Strength:** Analytical Thinking, Problem Solving, Team Collaboration, Communication, Agile Basics

## PROJECTS

### 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**, enabling **35% improvement** in sales performance evaluation accuracy.
- **Tools Used:** SQL, Python (Pandas, NumPy), Excel

### Automated Sales Data Pipeline & Reporting (GCP) 🔗 | Python, GCP, BigQuery

2025

- **Designed and implemented** an automated data pipeline to ingest, process, and centralize sales data using **Google Cloud Platform**.
- **Loaded structured datasets into BigQuery** and created interactive dashboards using **Looker Studio** for real-time reporting.
- **Reduced manual reporting effort by 60%** through automation and scheduled data refresh workflows.

### AI Voice Agent Interview Platform 🔗 | React.js, OpenAI, n8n, Next.js, Convex

2024

- **Analyzed interview session data and user interaction metrics**, improving interview efficiency by **40%**
- **Automated data collection workflows** using n8n and OpenAI to enable scalable analytics and reporting.
- **Structured session data storage** to support trend analysis and performance benchmarking.

## CERTIFICATIONS

- **IBM Data Analysis with Python – IBM** 🔗
- **MERN Stack Development Program – Ethnus Codemithra** 🔗
- **AWS Cloud Practitioner Essentials** 🔗
- **VLSI Design Internship – Maven Silicon** 🔗

## 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, IEEE Club (2024):** Led technical initiatives and strengthened hands-on problem-solving skills.

## ADDITIONAL INFORMATION

- \* **Hobbies** – Cricket, Carrom