

# Arnav Sharma

B-3002A Ashok Nagar, Delhi, India

+91-9971553415 — arnavsharma.2716@gmail.com — linkedin.com/in/arnav-sharma-

## Professional Summary

Data Analyst and pre-final year engineering student skilled in **Python, SQL, Excel, and Power BI**. Experienced in **data cleaning, visualization, predictive modeling, and AI applications** including RAG and LangChain. Strong foundation in **databases, statistics, and cloud computing** with proven leadership as Marketing Lead at CloudOps Club.

## Education

**Vellore Institute of Technology, Chennai**  
*B.Tech in Electronics and Communication Engineering*

2022 – 2026  
CGPA: 7.94

**Greenfields Public School, Delhi**  
*Class 12 (CBSE)*

2019 – 2021  
88%

**Greenfields Public School, Delhi**  
*Class 10 (CBSE)*

2017 – 2019  
95.2%

## Technical Skills

- **Programming:** Python (NumPy, Pandas), Java, C, C++, SQL, Excel
- **Analytics & ML:** Statistics, Data Cleaning, Regression, Classification, Deep Learning, Agentic AI, RAG
- **Visualization:** Power BI, Tableau, Matplotlib
- **Databases & Cloud:** MySQL, ChromaDB, Oracle Cloud, AWS, LangChain

## Projects

- **Food Recommendation Agent & Calorie Tracker** – Built a **RAG-based chatbot** with **LangChain + ChromaDB** for personalized diet plans. Added calorie tracking with **Python (Pandas)**, generating nutrition reports with **95% accuracy** across 100+ test cases.
- **Library Management System (SQL)** – Designed normalized schema and implemented **CRUD, triggers, joins, and reporting queries**. Optimized queries reduced **record retrieval time by 60%** and cut manual tracking effort by **70%**.
- **LinkedIn Profile Summarizer (Agentic AI)** – Automated profile parsing and skill extraction using **LangChain + LLMs**, enabling recruiters to save **50% time** in candidate screening.
- **PDF to Podcast Converter** – Summarized text with **spaCy + HuggingFace Transformers** and converted to audio using **gTTS**, improving accessibility for **50+ research documents**.
- **House Price Prediction Model** – Trained regression models (**Linear Regression, XGBoost**) achieving **85% R<sup>2</sup>** on structured datasets with a **30% accuracy improvement** after feature engineering and tuning.

## Certifications

Oracle AI Foundations (2024) — IBM GenAI Applications (2025) — IBM RAG Applications (2025) — IBM Vector Databases (2025) — NPTEL DBMS (2023) — NPTEL Project Mgmt (2025)

## Extra-Curricular Activities

- **Marketing Lead, CloudOps Club (VIT Chennai)** (2023–24) – Coordinated Ideathon & webinars, promoted AWS/Oracle usage, and helped CloudOps become the top-skilled club at VIT.
- Conducted peer workshops on **AI, Cloud, and Data Analytics tools**.