

# KHUSHI GOYAL

goyalkhushi1004@gmail.com | +91 7016156577 |

<https://linkedin.com/in/khushi-goyal-a8493b251/> | <https://github.com/2004khushi>

## Technical Skills

- Programming & Data Analysis:** Python (Pandas, NumPy) , SQL (Basic querying, joins, aggregations)
- Data Analysis & Statistics:** Exploratory Data Analysis (EDA) , KPI Tracking & Reporting , Hypothesis Testing (T-test, ANOVA, Chi-Square) , Outlier Detection & Feature Analysis
- Data Visualization & Reporting :** Matplotlib, Seaborn, Excel (pivot tables, formulas, data cleaning)
- Tools & Platforms:** Jupyter Notebook , Git & GitHub, Scikit-learn

## Projects

### End-to-End Statistical & Business Data Analysis (Insurance Dataset)

Nov 2025 - Dec 2025

- Performed exploratory data analysis (EDA) to identify key cost drivers in structured business data.
- Applied statistical hypothesis testing (t-test, ANOVA, Chi-Square) to validate assumptions and feature relationships.
- Conducted outlier analysis and feature-level comparisons to improve data reliability.
- Built regression models to compare predictive performance and support data-driven decisions.
- Identified smoking status, age, and BMI as primary factors impacting insurance charges.
- Translated analytical findings into insights balancing statistical rigor with business interpretability.

### Performance & Trend Analysis on Large-Scale Event Data (IPL Dataset)

Oct 2025 - Nov 2025

- Analyzed multi-season event data to evaluate performance trends across multiple entities.
- Compared key metrics such as success rate, consistency, and outcome distribution across time periods.
- Used grouping, aggregation, and visualization techniques to identify high- and low-performing entities.
- Derived comparative insights through structured analysis and data-driven reporting.

## Work Experience

### Junior Software Developer Intern | ONGC, India

Nov 2024 - Jan 2025

- Built a Python-based system to extract structured and unstructured data from PDFs for downstream analysis and scanned documents.
- Processed tables and text data to enable easier querying and analysis of large document sets.
- Implemented API-based workflows to automate document parsing and data retrieval.
- Supported faster access to information by organizing extracted data for analytical use.

## Co-Curricular

### Core Member | Rajasthani Club, VIT

- Led the end-to-end management of a cultural event for 500+ attendees, overseeing 15 diverse activities, 10 food stalls, and achieving a 29% profit margin.
- Finalist – Unplugged Hackathon 2024 (deployed an iPhone 15 Pro clone project using React + Node.js)

## Education

### Bachelor of Technology in Computer Science and Engineering

2022 - 2026

Vellore Institute of Technology

CGPA: 8.87/10.0