Harsh Goyal

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Internship Experience

Data Automation Internship | Springer Nature   April 2025 – Present

• Selected for a data-focused internship at Springer Nature, currently engaged in automating internal operations using Microsoft Power Automate and Power BI.

• The ongoing project focuses on replacing repetitive tasks with smart automation and delivering clear visual analytics for operational teams.

Projects & Research

A) Government-Funded Capstone Project (PSCST - ₹75K-100K Funding) Since March 2025

- Handpicked to lead a state-level AI project under PSCST funding.

- Led a team, managing execution & stakeholder collaboration.

B) Patented AI Projects

1) Insurance Fraud Detection System (Patent Filed)   Nov. 2024 to Feb 2025

- AI-based fraud detection using Predictive Analytics in R.

- Developed a Shiny App for claim pattern analysis.

2) Mood Predictor App (Patent Filed)   Jan 2025

- User-controlled AI mood prediction tool.

- Built using Predictive Analytics in R.

3) Cancer Prediction System (Ongoing)   Since March 2025

- AI-driven risk assessment & Survival Rate Calculator.

- Future plan: Full-fledged cancer prediction mode

- Using Predictive Analytics in R.

Tableau Dashboards

4) EV Sales & SQL-integrated Pizza Sales   June 2024

- Created interactive dashboards to analyze EV trends and pizza sales KPIs.

- Used SQL for data queries and Tableau for dynamic visualizations.

Excel Zomato Data Analysis

5) 45k+ rows processed   Feb 2024

- Cleaned and analyzed Zomato dataset using pivot tables & charts.

- Identified key patterns in ratings, cuisines, and delivery behavior.

Technical Skills

- **Languages:** R, SQL, Java,

- **Tools & Platforms:** RStudio, Tableau, Excel, Git, Ubuntu basics

- **Specialties:** Predictive Analytics, NLP, Data Wrangling, AI Automation

- **Soft skills:** Self-motivated , Detail-oriented, Quick learner, Time management

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Certifications & Achievements

- **Patents Filed:** AI-based Insurance Fraud Detection & Mood Predictor

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Education

- **Lovely Professional University, Punjab**

  B.Tech – CSE (AI & Data Science Specialization)   2022 – Present

- **GMSSS, Sec-46D, Chandigarh**

  Intermediate (Class 12th) **– 70%**   2021 - 2022

- **Moti Ram Arya Sr. Secondary School, Sec-27A, Chandigarh**

  Matriculation (Class 10th) **– 75%**   2019 - 2020