

Hemang Krish

B.Tech Computer Engineering, Delhi Technological University (2021–2025)

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Profile

Data Analyst with a background in Computer Engineering and applied AI research, skilled in SQL, Python, and BI tools for extracting actionable business insights. Published researcher with experience in predictive modeling and analytics-driven decision-making.

Education

B.Tech (Computer Engineering), Delhi Technological University

2021–2025

CGPA: 7.1/10

Skills

Analytics & Statistics: EDA, KPI Tracking, Data Cleaning, A/B Testing, Descriptive Statistics, Hypothesis Testing

Programming & Querying: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL (Joins, CTEs, Window Functions)

BI & Visualization: Tableau, Power BI, Excel

Machine Learning & Tools: Scikit-learn, TensorFlow, Feature Engineering, Model Evaluation, PostgreSQL, Git, Streamlit

Projects

Customer Churn Analysis and Interactive Dashboard

[GitHub](#)

- Evaluated **1,473 telecom customers** using SQL and Python to compute KPIs including churn rate (**11.27%**) and average monthly charges (**\$65.05**).
- Built an interactive Tableau dashboard identifying **42% churn** among month-to-month customers versus **3%** for two-year contracts, enabling targeted retention insights.

Data Scientist Salary Prediction & Market Analysis

[GitHub](#)

- Examined **1,000+ Glassdoor job listings**, performing data cleaning, feature engineering, and salary normalization from heterogeneous pay formats.
- Evaluated multiple regression models using cross-validation; **Random Forest achieved the lowest error (NRMSE: 17.6)**, enabling reliable compensation benchmarking.

Heart Disease Prediction & Clinical Risk Analysis

[GitHub](#)

- Conducted exploratory and correlation analysis on **300+ patient clinical records** to identify statistically significant risk factors.
- Built predictive models achieving **85% accuracy**, supporting early identification of high-risk patients and data-driven preventive screening decisions.

CONTRAST: Session-Based Recommendation Research (IEEE)

[GitHub](#)

- Co-authored an IEEE paper introducing CONTRAST, a graph-based session recommendation model using contrastive learning.
- Achieved state-of-the-art results on **RetailRocket (P@10: 59.12%, MRR@10: 36.60%)** and **Diginetica (P@10: 44.16%, MRR@10: 18.95%)**.

AI Resume Critiquer (LLM-powered)

[GitHub](#)

- Developed an end-to-end **GenAI application** using Google Gemini and Streamlit to analyze resumes and deliver role-specific, ATS-aware feedback in **under 5 seconds**.
- Implemented a **multi-stage prompt pipeline** for resume parsing, skill evaluation, and experience alignment; tested on **50+ resumes** across data and software roles.

Internships & Experience

Data Analyst (Online, Freelance) – TELUS International AI

Oct 2025 – Nov 2025

- Investigated geospatial datasets to identify inconsistencies in routes, landmarks, and business attributes.
- Performed root-cause analysis on **100+ mapping anomalies**, improving data quality for AI-driven geolocation systems.

Research Intern – Big Data Analytics Lab, DTU

Jun–Aug 2024

- Built scalable data pipelines for cleaning, augmentation, and preprocessing of **30K+ agricultural images**.
- Trained and optimized a ResNet50 + self-attention model, achieving **90.2% accuracy** while reducing overfitting.

Certifications & Professional Development

- Research paper on contrastive session-based recommendation published at **IEEE ICCCNT 2025**.
- Completed **Citi Markets Quantitative Analysis (MQA)** Virtual Experience; leveraged futures pricing, option valuation (Black–Scholes), Monte Carlo simulations, and market risk management.
- Completed **Tata Group Data Analytics Job Simulation** Virtual Experience; applied GenAI-powered EDA, predictive risk modeling, and AI-driven strategy design for financial services use cases.
- Earned **Oracle Cloud Infrastructure 2025 Certified Data Science Professional**.
- Completed **Career Essentials in Business Analysis by Microsoft and LinkedIn** (Jul 2025).