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, experienced in SQL, Python, and BI tools to extract 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: SQL (Joins, CTEs, Window Functions), Python (Pandas, NumPy, Matplotlib, Seaborn)

BI & Visualization: Tableau, Power BI (DAX), Excel (VLOOKUP, Pivot Tables)

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

Projects

Customer Churn Analysis and Interactive Dashboard GitHub

- Assessed **1,473 telecom customers** using SQL and Python to compute KPIs, including the churn rate (**11.27%**) and the average monthly charges (**$65.05**).
- Designed an interactive Tableau dashboard identifying **42% churn** among month-to-month customers versus **3%** for two-year contracts, allowing 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.
- Multiple regression models were evaluated using cross-validation; **Random Forest achieved the lowest error (NRMSE: 17.6)**, enabling reliable compensation benchmarking.

Heart Disease Prediction & Clinical Risk Analysis GitHub

- Performed exploratory and correlation analysis on **300+ patient clinical records** to identify statistically significant risk factors.
- Developed 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.
- Delivered state-of-the-art performance on **RetailRocket (P@10: 59.12%, MRR@10: 36.60%) and Diginetica (P@10: 44.16%, MRR@10: 18.95%)**.

AQI Index Analysis and Interactive Power BI Dashboard GitHub

- Scrutinized **50K+ air quality records across multiple Indian cities** using **Python and PostgreSQL**, engineering AQI metrics and pollutant severity indices.
- Built an interactive **Power BI dashboard** with dynamic KPIs, time-series trends, and AQI category distribution, enabling city- and time-level air quality assessment.

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.
- Executed 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

- Engineered scalable data pipelines for cleaning, augmentation, and preprocessing of **30K+ agricultural images**.
- Fine-tuned a ResNet50 + self-attention model, achieving **90.2% accuracy** while minimizing overfitting.

Certifications & Professional Development

- Research paper on contrastive session-based recommendation published at **IEEE ICCCNT 2025**.
- Earned **Oracle Cloud Infrastructure 2025 Certified Data Science Professional**.
- Completed **Career Essentials in Business Analysis by Microsoft and LinkedIn** (Jul 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