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

Data Analytics: Exploratory Data Analysis (EDA), KPI Tracking, Data Cleaning, A/B Testing, Insight Generation
Statistics: Descriptive Statistics, Hypothesis Testing, Probability Distributions
Programming & Querying: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL (Joins, CTEs, Window Functions, Subqueries)
BI & Visualization: Tableau, Power BI, Excel
Machine Learning: Scikit-learn, TensorFlow, Regression Models, Feature Engineering, Model Evaluation
Tools & Platforms: PostgreSQL, Git, REST APIs, Streamlit, Docker (Basic), AWS IoT Core

Projects

Customer Churn Analysis and Interactive Dashboard GitHub

- Analyzed customer behavior using Python and SQL to identify key churn drivers across contract types.
- Built a Tableau dashboard revealing **51% churn** among month-to-month customers without online security, enabling targeted retention insights.

Data Scientist Salary Prediction & Market Analysis GitHub

- Analyzed **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

- Designed and deployed an LLM-powered Streamlit application that analyzes resumes and delivers role-specific, ATS-aware feedback using Google Gemini.
- Implemented a multi-stage prompt pipeline for resume parsing, context enrichment, and structured feedback generation.

Internships & Experience

Data Analyst (Online, Freelance) – TELUS International AI Oct 2025 – Nov 2025

- Analyzed 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.

Full Stack Intern – Eythor Pvt. Ltd (DTU IIF) Jun–Jul 2023

- Built a real-time AWS IoT dashboard to monitor and control connected devices with sub-2s latency.
- Improved usability and security through multilingual UI enhancements and reCAPTCHA integration.

Achievements

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