Hemang Krish

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

Computer Engineering student and AI researcher passionate about building scalable data-driven products. Skilled in data analytics, ML model development, and visualization using Python, SQL, TensorFlow, and Firebase. Experienced in developing and deploying ML pipelines and analytics dashboards to derive actionable insights.

Education

B.Tech (Computer Engineering), Delhi Technological University 2021–2025
CGPA: 7.1/10

Skills

Analytics: EDA, KPI Tracking, A/B Testing, Insight Generation, Data Storytelling
Machine Learning & AI: TensorFlow, Scikit-learn, Neural Networks, Model Deployment, Generative AI (LLM, LangChain)
Data Tools: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, PostgreSQL, Power BI, Tableau, Excel
Development: React.js, Node.js, REST APIs, Git, Docker (Basic), AWS IoT Core

Projects

CONTRAST: Session-Based Recommendation Research GitHub

- Co-authored an IEEE paper introducing CONTRAST, a graph-based session recommender 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%).

Data Scientist Salary Prediction & Market Analysis GitHub

- Analyzed **1,000+ Glassdoor job listings**, performing feature engineering and salary normalization from mixed pay formats.
- Built and evaluated regression models using cross-validation, with **Random Forest achieving lowest error (NRMSE: 17.6)**.

AI Resume Critiquer (LLM-powered) GitHub

- Developed an interactive **Streamlit web app** that provides instant resume feedback using Google's **Gemini LLM**.
- Engineered a **LangChain-inspired pipeline** for prompt generation, resume text extraction, and structured AI feedback.

Heart Disease Prediction & Clinical Risk Analysis GitHub

- Conducted EDA and correlation analysis on **300+ patient clinical records**, identifying chest pain type and exercise-induced angina as key risk factors.
- Built and evaluated ML models achieving **85% prediction accuracy**, enabling early identification of high-risk patients for preventive care.

Customer Churn Analysis and Interactive Dashboard GitHub

- Developed an end-to-end analytics project to identify key drivers of customer churn using Python, SQL, and Tableau.
- Built and published an interactive dashboard in Tableau to visualize findings, revealing that month-to-month customers with no online security had a churn rate of over 51%.

Internships & Leadership

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

- Perform detailed evaluation of digital maps to ensure accuracy of routes, landmarks, and local business information.
- Enhanced data precision by identifying and reporting 100+ mapping errors, improving AI-based geolocation reliability.

Research Intern – Big Data Analytics Lab, DTU Jun–Aug 2024

- Built an end-to-end data pipeline (cleaning, augmentation, preprocessing) for 30K+ agricultural images, enabling scalable training workflows.
- Trained and optimized a ResNet50 + self-attention model, achieving 90.2% accuracy while reducing overfitting through regularization and early stopping.

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

- Built a real-time AWS IoT dashboard to monitor/control 10+ connected devices with latency under 2s.
- Enhanced platform security with reCAPTCHA and improved usability via a multilingual interface.

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)