Chiranjeev Harshwal

412-801-2086 | CHH261@pitt.edu | Linkedin:chiranjeev-harshwal | GitHub:chiranjeevH

EDUCATION:

- **Master of Science in Information Science/Studies** — 2022-2024
- University of Pittsburgh, USA — GPA: 3.5/4.0
- **Bachelor of Technology in Computer Science & Engineering** — 2018-2022
- Shivajirao Kadam Institute of Technology & Management — GPA: 3.3/4.0

RELATED EXPERIENCE:

Data Analyst — Feb 2023 - Present
University of Pittsburgh, Office of Academic Career Development-Health Sciences — Pittsburgh, PA

- Led a comprehensive data analysis study for a research paper involving **268 post-doctoral researchers**, using **statistical analysis** and **regression models to investigate the impact** of mobility, publication metrics, and demographics on research outcomes to improve support strategies for future faculty transitions.
- Conducted **descriptive and in-depth analysis of a 1 million-row dataset**, improving research team comprehension by 50%.
- Collaborated on data collection and analysis plans, creating visual mock tables. Performed routine procedures, generated reports, and analysis tools, improving data interpretation and delivering timely insights for research.

Data Analyst Intern — Jul 2021 - April 2022
Tectum Technologies Private Limited — Indore, India

- Developed and deployed scalable data pipelines and **analytics solutions** utilizing Python and SQL, guaranteeing precise and secure collection, processing, and storage of customer datasets, encompassing **over 10 million cybersecurity records**.
- Utilized quantitative analysis methods to enhance cybersecurity risk and data management processes, **resulting in a 10% reduction** in the number of successful cyberattacks.   .
- Designed visually appealing dashboards with Tableau and PowerBI, resulting in improved identification of vulnerabilities in the company's IT systems and better compliance with security regulations.

Data Science Intern — Feb 2021 - Jul 2021
VERZEO EduTech — Indore, India

- Innovated the way small businesses apply for loans by developing predictive machine learning models that automated the eligibility process and **increased loan approval accuracy by 15%**.
- Optimized skin cancer diagnosis for a client by developing a machine-learning model that achieves **a 98% precision rate** in identifying various skin lesions.

PROJECTS:

Financial Fraud Detection using AI: Engineered a Python-based AI model, delivering exceptional accuracy in detecting intricate financial fraud patterns within a vast dataset of 24 million financial records, effectively fortifying asset protection.

Exploratory Data Analysis: Achieved remarkable results by performing **thorough analysis on** a large dataset of over **150,000 rows** with an impressive accuracy rate of 90%. Employed advanced data preparation, cleaning, and manipulation techniques to ensure data quality.

Manufacturing Process Optimization: Devised a predictive model for manufacturing process optimization, realizing a substantial 20% reduction in defects, thereby enhancing operational efficiency and cost savings.

TECHNICAL SKILLS:

Programming Languages: Python, SQL, R, HTML5, CSS, Java, C & C++ | **Database & ETL tools**: SQL, MongoDB
Visualization: Tableau, Power BI, Matplotlib, Excel | NoSQL, Apache, TensorFlow, SAS, Pyspark
Other: Matplotlib, Seaborn, PyTorch, Pandas, PyTorch, Matlab, scikit-learn, Big Data, Hadoop, Hive, Clustering, Statistics, Data Mining