# Chinmayee Verma

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## Profile

Aspiring Data Scientist and Business Analyst proficient in Python, R, SQL, and Excel. Experienced in data cleaning, exploratory data analysis, and leveraging machine learning tools to uncover insights and drive business decisions.

## Skills

**Technical Skills:** EDA, Supervised Learning, Unsupervised Learning, Linear Regression, Logistic Regression, NLP.

**Languages:** SQL, Python, R, C++, C, Java

**Software:** Excel, Tableau, Power BI, GitHub, Google Co-lab, Posit Cloud

## Experience

**Machine Learning Intern**, Pratnik infotech — July 2024 - Present

- Developed an NLP model to automate customer support, achieving 85% text classification accuracy.
- Preprocessed and categorized customer inquiries, enhancing response efficiency by 20%.
- Evaluated model performance and provided recommendations for automated response systems.

**Data Analyst Intern**, Epiassist — Feb 2024 - April 2024

- Utilized R, Python, SQL, and Excel for data cleaning and manipulation on healthcare datasets.
- Conducted exploratory data analysis (EDA) to generate actionable insights and visualizations.
- Prepared comprehensive reports that informed decision-making processes.

## Education

**Amity University Rajasthan**, BTech in Biotechnology — Aug 2018 – July 2022

- CGPA: 8.23/10

## Certification

*Machine Learning Specialization by DeepLearningAi (Stanford University)*
*Google Data Analytics Professional Certification*
*Python for Everyone by University of Michigan*

## Projects

**NLP for Customer Support** — Link

- Enhanced customer support efficiency by implementing NLP algorithms for automated response generation and sentiment analysis, resulting in reduced response times and improved customer satisfaction.
- Tools Used: Python, NLP, Logistic Regression, Confusion Matrix

**Credit Risk Analysis using PD model** — Link

- Develop a Python-based credit risk analysis project using a Probability of Default (PD) model to assess borrowers' creditworthiness. Clean and process data, conduct EDA and implement a fine-tuned supervised learning model. Demonstrate actionable insights and model effectiveness in proactive credit risk management.
- Tools Used: Python, EDA, Logistic Regression, Decision Tree

**Cardiovascular disease EDA using R** — Link

- Explored cardiovascular disease risk factors in adults using R, employing descriptive statistics, correlation analysis, and data visualization, revealing that an active lifestyle reduces risk while high cholesterol, glucose, age, BMI, and MAP increase it.
- Tools Used: R, EDA, Statistical Analysis

## Additional Information

- Open mic as a performer, Model UN, Parliamentary and University level debates, Authored multiple screenplay scripts for Dramatics, Served as the Social Media Coordinator for IEEE AUR, Contributed to the PR team of IEEE AUR.