DEBOLINA CHATTERJEE (She/Her)

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I'm Debolina Chatterjee, a passionate and detail-oriented data enthusiast blending robust statistical expertise with cutting-edge AI and computer vision techniques, committed to driving impactful innovations in sports analytics and healthcare.

Indian

Education

CHRIST (DEEMED TO BE UNIVERSITY)	Lavasa, Pune, India
Masters Of Data Science	**August 2023 - Present**
UNIVERSITY OF CALCUTTA (SURENDRANATH COLLEGE)	Kolkata, India
Bachelor of Science (HONOURS) – Statistics; CGPA : 7.495	**June 2020 – July 2023**

Skills Summary

- **Python:** Libraries: pandas, numpy, matplotlib, Seaborn, mplsoccer, ggplot2, os
- **Excel:** Tools: Pivot Tables, VLOOKUP, HLOOKUP, Conditional Formatting, Data Analysis, Solver
- **R Programming:** Packages: readr, readxl, dplyr, tidyr, bsda, envstats, scales, ggplot, forecast, timeSeries
- **SQL:** Software: MySQL, NoSQL
- **Power BI:** Tools: DAX, API, Power Query
- **Java:** OOPS.
- **Cloud Computing:** Software: Microsoft Azure, AWS
- **Frameworks:** Django, Scikit-learn
- **Platforms:** Visual Studio Code, Jupyter Notebook
- **Soft Skills:** Problem Solving, Communication, Teamwork, Strategic Thinking, Adaptability, Time-Management, People-Management

Projects

FOOTBALL GAME TRACKING WEB APPLICATION – Group Project – Pune, Maharashtra **August 2024 - Present**

- Developing a football performance tracking app with Django, HTML, CSS, JavaScript, and Power BI for real-time analytics.
- Collaborating on a responsive frontend that integrates with backend APIs for efficient data processing.
- Building a scalable architecture with user authentication and personalized analytics, deploying it to the cloud with comprehensive testing.

STELLAR CLASSIFICATION – Group Project – Pune, Maharashtra **March 2024 – Present**

- Worked with a team to clean and analyze a 100,000-observation dataset, ensuring data integrity.
- Used statistical techniques (T-tests, ANOVA, regression) to analyze spectral characteristics of stars, galaxies, and quasars.
- Employed advanced ML methods, like ensemble techniques and neural networks, to improve classification accuracy.

SURVIVAL ANALYSIS IN PERSONALIZED MEDICINE – Seminar Presentation – Lavasa, India **March 2024**

- Defined personalized medicine, emphasizing tailored treatments for enhanced efficacy and minimized adverse effects.
- Analyzed Kaplan-Meier, Log-Rank Test, and Cox Model for survival outcomes.
- Addressed challenges like patient variability and small sample sizes, proposing advanced survival analysis techniques.

Work Experience

DATA SCIENCE INTERN – CodSoft– Remote	**April 2024 - May 2024**
DATA SCIENCE INTERN – Bharat Intern – Remote	**March 2024 – April 2024**
DATA SCIENCE INTERN – Prodigy Infotech – Remote	**March 2024 – April 2024**

Certificates

HACKERRANK SQL BASIC (CERTIFICATE)	**February 2024**
GOOGLE CLOUD-CLOUD DIGITAL LEADER (CERTIFICATE)	**March 2024**
BHARAT INTERN-DATASCIENCE INTERNSHIP (CERTIFICATE)	**March 2024**
PRODIGY INFOTECH-DATASCIENCE INTERNSHIP (CERTIFICATE)	**April 2024**
CODSOFT-DATASCIENCE INTERNSHIP (CERTIFICATE)	**April 2024**