

Nirmiti Kamtekar

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SUMMARY

Data Science and Big Data Analytics MSc graduate with a strong background in **statistical analysis, data manipulation, and visualization**. Proficient in **Python, SQL, Power BI, and MS Excel**, with a proven ability to extract actionable insights and enhance business decision-making processes. Passionate about leveraging data to **identify trends and drive operational efficiency**. Skilled in deploying machine learning models and deep learning frameworks for predictive analytics. Dedicated to continuous learning and staying current with industry trends to deliver innovative, impactful solutions.

EXPERIENCE

RESEARCH ANALYST INTERN - THE ASSIGNER (April 2024 - July 2024)

- Analyzed and visualized data using Python, Tableau, and Excel, leading to a 20% improvement in data processing efficiency.
- Conducted in-depth research and data collection, identifying key market trends that influenced strategic project decisions, enhancing project accuracy by 15%.
- Led a team of 6 interns, coordinating tasks and streamlining workflows, resulting in the timely completion of projects ahead of schedule by 10%.

EDUCATION

SDBI, PATKAR VARDE COLLEGE

Master of Science in Data Science and Big Data Analytics

Cumulative GPA: 8.5/10

Relative Coursework: Machine Learning, Deep Learning, Statistics, Data Mining, Data Visualization, Networking, CloudComputing, Security.

Goregaon, Mumbai

Jul 2022 - April 2024

SOPHIA COLLEGE FOR WOMEN

Bachelor of Science in Information Technology

Cumulative GPA: 9.67/10

Grant Road, Mumbai

Jun 2019 - May 2022

UNIVERSITY PROJECTS

SONG SIEVE (recommendation system)

- Developed a clustering algorithm using k-means to categorize songs based on musical attributes, increasing recommendation accuracy by 15% for targeted audiences.
- Designed and implemented predictive models using Python and scikit-learn, increasing the accuracy of song popularity predictions by 20%, helping artists create hits.

WEBSIMILARITY ANALYZER

- Implemented advanced NLP techniques like lemmatization and cosine similarity in Python, achieving 95% accuracy in determining similarity between web-scraped articles.
- Optimized text similarity analysis using NLP techniques, improving processing efficiency by 30% and enhancing visualization clarity with WordCloud integration.

BREAST CANCER PREDICTION AND CUSTOMER SEGMENTATION

- Analyzed breast cancer prediction using machine learning algorithms (e.g., SVM, decision trees) on patient data, achieving a predictive accuracy of 90%.
- Segmented customer data using k-means clustering, enhancing targeted marketing efforts by 25% and increasing customer engagement through personalized experiences.

TECHNICAL SKILLS

- Programming Languages:** Python Programming, Scala, SQL
- Visualization Tools:** Power BI, Tableau
- Database Tools:** Oracle DB, MySQL, MSSQL, MongoDB, PostgreSQL
- Other Tools and Technical Skills:** MS Office, GitHub, VSCode, AWS, Deep Learning (tensorflow, OpenCV), Machine Learning (scikit-learn, statsmodels, pandas, numpy), Statistical Modelling, Natural Language Processing (nltk, wordnet, Affin), Time Series Analysis (ARIMA)

CERTIFICATIONS AND AWARD

- Deep Learning using tensorflow (IBMSkillsNetwork)
- Ethical Hacking and Internet Security
- Cloud practitioner course (AWS)
- Data Analysis using pandas and numpy
- Tableau data visualization (Simplilearn)
- Power BI (Udemy)
- Digital Marketing (Great learning)
- Oracle Cloud Data Management (Oracle)
- Award for best innovative project in T.Y.B.Sc. IT
- TCS NQT