





# CHANDAN L

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## EXECUTIVE SUMMARY

Master of Computer Applications (MCA) graduate with expertise in **Python, SQL, Power BI, and Machine Learning**. Passionate about **data-driven decision-making, statistical analysis, and business intelligence**. Experienced in **NLP, fraud detection, and data visualization**, with hands-on projects that drive actionable insights. Adept at **ETL processes, data modeling, and predictive analytics** to support business growth.

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## SKILLS

- **Analytics & Programming:** Python (Pandas, NumPy, Seaborn, Matplotlib), SQL and MS-Excel.
  - **Frameworks:** Pandas, NumPy, Scikit-Learn, TensorFlow, and PyTorch.
  - **Data Visualization:** Power BI and Tableau.
  - **ETL & Data Modeling:** Data Pipeline Development, Data Modelling, Data Warehousing, Data Transformations.
  - **Machine Learning & Modeling:** Regression, Clustering, Decision Trees, Random Forest, XGBoost and Deep Learning.
  - **Statistical Analysis:** Hypothesis Testing, Quantitative Analysis, Cohort Analysis, Root Cause Analysis.
  - **Soft Skill:** Problem-Solving, Critical Thinking, Communication, and Teamwork.
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## EDUCATION

### Master of Computer Science (6.7 CGPA)

Christ Academy for Institute and Advanced Studies, Bangalore | Dec 2022 – Nov 2024

### B.Sc. in Computer Science, Mathematics & Physics (7.7 CGPA)

RJS FGC, Bangalore | July 2018 – Oct 2021

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## PROJECTS

### Text Emotion Detection (NLP & Machine Learning)

- Developed an **NLP-based sentiment analysis model** using **SVM, Logistic Regression, and CNN** on **40,000+ text samples**.
- Achieved **89% accuracy**, improving model performance by **15%** with feature engineering.
- **Impact:** Helped businesses analyze customer emotions to enhance customer experience strategies.

### Credit Card Fraud Detection (Machine Learning, Data Science)

- Built **Random Forest & XGBoost models** to detect fraudulent transactions in **imbalanced datasets**.
- Applied **SMOTE** to improve fraud detection accuracy by **15%** and **Anomaly Detection (Isolation Forest)** to reduce false positives by **25%**.
- **Impact:** Improved fraud prevention strategies, reducing financial losses.

## Web Scraping & Sentiment Analysis (Python, NLP, Power BI)

- Extracted **10,000+ customer reviews** of British Airways using **BeautifulSoup4**.
  - Performed **Sentiment Analysis (NLTK)** with an **83% accuracy rate**.
  - Designed **interactive Power BI dashboards** to visualize customer sentiment trends.
  - **Impact:** Helped businesses leverage customer feedback for service improvement.
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## CERTIFICATIONS

- **Machine Learning** - Princeton Smart Engineers (*Credential ID: PSEML3069*)
- **Data Analysis with Python** - Infosys Springboard
- **Virtual Data Analyst Internship** - KultureHire
- **BCG - Data Science Job Simulation** - Forage (*Issued Feb 2025*) [Link](#)
- **British Airways - Data Science Job Simulation** - Forage (*Issued Jan 2025*) [Link](#)