

SUBHADIP GHOSH

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PROFESSIONAL SUMMARY

Detail-oriented and analytical MCA candidate with strong foundations in Data Analytics, Machine Learning, and Database Management. Proven ability to analyze datasets, build predictive models, and create interactive dashboards to support data-driven decision-making. Adept at Python, SQL, and data visualization tools, with hands-on project experience aligned to consulting and analytics roles.

CORE SKILLS

Data & Analytics: Data Analysis, Exploratory Data Analysis (EDA), Data Cleaning, Data Visualization, Dashboarding, Statistical Analysis

Programming & Tools: Python, SQL, Java, HTML, CSS, JavaScript, Power BI **Libraries & Frameworks:** Pandas, NumPy, Scikit-learn, NLTK, Streamlit

Concepts: Machine Learning, Artificial Intelligence, DBMS, OOPs

EDUCATION

Master of Computer Applications (MCA) | *Present*

Academy of Technology, Adisaptagram

Bachelor of Science (B.Sc – General) | *2023*

Computer Science, Mathematics, Physics

Prasanta Chandra Mahalanobis Mahavidyalaya, Bon Hooghly

Higher Secondary (PCMB) | *2019*

Kendriya Vidyalaya No.1, Kanchrapara

PROJECT EXPERIENCE

Email Spam Classifier

- Developed a high-accuracy detection system utilizing MultinomialNB, achieving a 98% accuracy and 0.96 precision score on the UCI SMS Spam Collection Dataset.
- Conducted a side-by-side performance evaluation of **GaussianNB**, **MultinomialNB**, and **BernoulliNB** to optimize model selection based on F1-scores.
- Deployed a real-time web interface using Streamlit, allowing users to receive instant "Spam vs. Ham" predictions via a serialized Pickle model.

Hotel Booking Analysis (EDA)

- Conducted comprehensive **exploratory data analysis** on hotel booking datasets to identify trends and cancellation patterns.
- Analyzed customer behavior, seasonal demand, and revenue-impacting factors.
- Generated actionable insights using **Python and data visualization techniques** to support business decision-making.

Expense Tracker Web Application

- Designed and developed a responsive expense tracking web application using **HTML, CSS, and JavaScript**.

CERTIFICATIONS

- PythonforDataScience, AI & Development – IBM
- Machine Learning with Python – IBM

SOFT SKILLS

Analytical Thinking | Problem Solving | Attention to Detail | Communication Skills | Team Collaboration

LANGUAGES

English(Proficient) | Hindi (Proficient) | Bengali (Native)

INTERESTS

Street Photography | Traveling | Cooking | Esports
