

# MADHUSUDAN SOMVANSHI

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## EXPERIENCE

### Deloitte Australia Data Analytics Job Simulation on Forage

April 2025

- Completed a Deloitte job simulation involving data analysis and forensic technology
- Created a data dashboard using Tableau
- Used Excel to classify data and draw business conclusions

## PROJECTS

### Email Spam Detection Using Naïve Bayes

Feb-May 2024

Developed A spam detection system using machine learning techniques.

- Developed and implemented machine learning models(e.g., Naïve Bayes, SVM, Logistic Regression).  
[Quantifiable Results of 84% accuracy] in classifying email as spam or ham.
- Performed feature engineering on raw email data, extracting relevant features such as word frequencies, URL Presence, domain information, email header details, and stylistic patterns to train effective classification Models.

### Deep Active Learning for Short Text Classification

Feb-May 2025

Focused on short text classification with active learning integrations.

- Built and evaluated machine learning models.
- Integrated active learning techniques.
- Achieved 87.17% accuracy using Naïve Bayes.

## CERTIFICATIONS

### Geodata Processing using Python and Machine Learning

Feb 2025 | [IIRS](#)

- The fundamentals of GIS and remote sensing, transitioning into practical Python-based geospatial data processing.
- Data handling, analysis and visualization using libraries like GDAL, NumPy, and Matplotlib.
- I Gain the experience on image enhancement and spatial filtering with GDAL, OpenCV, Crucial for advanced geospatial applications.

## EDUCATION

Bachelor of Engineering in Computer Science and Engineering

**Basavakalyan Engineering College, Basavakalyan**

12/2022 - 05/2025 Basavakalyan, India

Diploma in Computer Science & Engineering

**Basavakalyan Polytechnic, Basavakalyan**

06/2017 - 05/2022 Basavakalyān, India

## SKILLS

Software Tools	: Visual Studio, Git, Power BI, IBM Cloud, Anaconda, MS Excel, Tableau, Spreadsheets
Programming Languages	: Python, MySQL, Java, MongoDB
Core Skills	: Data Analysis, Data Modeling
Cybersecurity & Forensics	: Vulnerability assessment, threat detection
Web & Cloud Technologies	: Google App Engine(Architecture, Runtimes, Datastore Services(UriFetch, Memcache, etc.), IBM Cloud basics