

# Md Adnan Afzal

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## Education

### Kalinga Institute of Industrial Technology

Bachelor of Technology - Computer Science and Systems Engineering [CGPA:7.66]

Aug. 2021 – Aug. 2025

Bhubaneshwar, India

**Relevant Coursework:** Object Oriented Programming, Data Structures and Algorithms, Operating Systems, Database Management, Artificial Intelligence, Software Engineering, Computer Networks, Cloud Computing.

### Rabindra Vidya Niketan

12<sup>th</sup> Science CBSE

2021

## Technical Skills

- **Languages:** C/C++, Python, JAVA, R, HTML, CSS, Java script, jQuery, Node js, Express js, React js.
- **Tools:** Git, GitHub, Spreadsheet, Excel, Tableau, Googling.
- **Databases:** MySQL, Big Query, MS SQL Server, Postgres SQL.
- **Knowledge of Linux, Ubuntu, Windows, Amazon Web Services (AWS), PyTorch, TensorFlow.**

## Experience and Projects

### Sentimental Analysis using CV- Minor Project ([Link](#))

Mar. 2024 – May 2024

- Created a Windows voice assistant that predicts user sentiment from facial expressions to recommend music.
- Utilized the [FER 2013 dataset](#), categorizing 5,600 facial expressions into seven distinct categories.
- Integrated emotion detection, speech recognition, and text-to-speech for capturing and vocalizing user commands.
- Performed web searches, accessed Wikipedia, sent emails via voice typing, and ran sentiment analysis using computer vision.
- Combined tools like text-to-speech, voice detection, computer vision, large language models, and machine learning.

### Email spam ham Detection-Training and Placement cell Project ([Link](#))

June 2024 – July 2024

- Developed a machine learning model to classify incoming emails as spam or legitimate (ham).
- The [dataset](#) included 4,825 'ham' and 747 'spam' messages, highlighting a significant class imbalance.
- To address the data imbalance, the SMOTE (Synthetic Minority Over-sampling Technique) method was applied.
- Transformed text into numerical features for modeling, including word frequency and part-of-speech tagging.
- Model performance was evaluated using accuracy, precision, recall, and F1-score.
- Achieved an accuracy of 98% in identifying spam emails.

### Bellabeat Business Analysis – Google Analytic Capstone Project ([Link](#))

May 2024 – June 2024

- Analyzed [Health Tracker data](#) from 30 Bellabeat users.
- Including over 1,000 records of daily activity, sleep patterns, and stress levels.
- Imported and cleaned multiple datasets including daily activity, calories, intensities, steps, sleep, and weight logs.
- Grouped participants by activity intensity and visualized the distribution of activity levels.
- The analysis sought to understand user behavior and find ways to improve Bella Beat's product and marketing strategy.
- Utilized R language, visualization techniques, storytelling techniques, and data presentation skills.

### Bored game–Udemy Capstone Project ([Link](#))

May 2024 – June 2024

- Developed using Node.js, Express, and EJS for the front-end, focusing on server-side logic and rendering dynamic content.
- Integrated [Bored API](#) to fetch activities based on user-selected type and participant criteria.
- Rendered random activities on the homepage using API data for improved user engagement.
- Added error handling to display user-friendly messages when API requests fail or return empty.
- Filtered activities by type and participants, dynamically updating page content via API responses.
- Deployed the application on a local server at port 3000 for testing and development.

## Certifications and Training

- Google Data Analytic-from Coursera ([Link](#))
- Hacker Rank intermediate ([Link](#))
- Udemy full stack web developer ([Link](#))
- AI and Machine learning using python -certified by training and placement cell KIIT(Katallyst) ([Link](#))

## Soft Skills

- Ability to work in team environments.
- Face challenges head-on and tackle them logically.
- Ability to communicate clearly and efficiently with team members and others.
- Clarity of thought process