

NAUMAN PATHAN

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Education

Ramrao Adik Institute of Technology, D. Y. Patil Deemed to be University

B.Tech in Computer Engineering (Minor: Data Science), CGPA: 7.48/10

Sep 2022 – Present

Navi Mumbai, India

New Bombay City School

12th Grade, Percentage: 81%

May 2020 – July 2022

Navi Mumbai, India

Ryan International School

10th Grade, Percentage: 93.4%

April 2012 – April 2020

Navi Mumbai, India

Projects

WATERMENON: University Portal | *HTML, CSS, JQuery, JavaScript, Bootstrap4*

Nov 2023

- Developed a web-based Admission Portal to streamline university admissions
- Implemented dedicated pages for applications, fee details, and meeting scheduling.
- Used **HTML**, **CSS**, **JavaScript**, and **Bootstrap4** for responsive, user-friendly design
- jQuery** for DOM manipulation and event handling
- Integrated interactive UI elements like filters, sliders, and video popups.

RecipeSense: Recipe Recommendation System | *Python, React, TailwindCSS, Sci-kit Learn, Flask*

November 2024

- A curated dataset of **7,000+** diverse recipes, including ingredients, cuisine, course, dietary tags, and detailed instructions, used to power personalized ML-based recipe recommendations.
- Built an ML-powered recommendation engine using **TF-IDF vectorization** and **Cosine Similarity**.
- Designed a web app with **React** frontend for UI and integrated it with **Flask** backend to serve recommendations.
- Secured **Copyright** for the system.

Multilingual Toxicity Classification using Transformer Models | *Python, XLM-RoBERTa, Streamlit*

April 2025

- A multilingual toxicity detection system using **XLM-RoBERTa** and **PyTorch**, achieving accuracy of **0.93**.
- Language-aware attention mechanisms for 7 languages, processing **360k+** comments across 6 toxicity categories.
- Built efficient data processing pipeline with **TensorFlow ONNX** and **Streamlit**, deployed on college GPU server.

BuyWise: AI-Powered Product Insights Platform | *Python, Flask, NLTK, TextBlob, GoogleTrans*

June 2025

- Built a full-stack web app for real-time product analytics using **Python (Flask)** and **Bootstrap5**.
- Utilized a dataset of over **6,950** real Amazon product reviews to build and validate an AI-powered analytics tool for extracting actionable insights from customer feedback.
- Implemented AI-powered, multilingual sentiment analysis of customer reviews with **TextBlob** and **Google Translate API**.
- Designed interactive dashboards with dynamic charts for ratings, sentiment trends, and purchase verification.
- Developed a smart recommendation engine to suggest **"Buy"** or **"Don't Buy"** based on aggregated insights.

Technical Skills & Certifications

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

Frameworks: TensorFlow, Flask, React

Devops: Git, Docker, CI/CD

Technologies: Deep Learning, AI, Machine Learning

AWS: Cloud Foundations

Cisco Networking Academy: CCNA: Introduction to Networks, CCNA: Switching, Routing and Wireless Essentials,, CCNA: Enterprise Networking, Security and Automation, Introduction to CyberSecurity, Python Essentials 1, Python Essentials 2

Simplilearn: PowerBI for Beginners

Leadership

CSI-RAIT

Sep 2023 - Aug 2024

Technical Team

Navi Mumbai, India

- Managed and volunteered as a tech team member in **JAVAZON** and **Product Development Life Cycle to Product Level Workshop**, assisting and mentoring students with technical issues.
- Worked on the **Data Science Lab website**, supporting research and learning.

Extracurricular

AFAE (Awards for Academic Excellence)

April 2020

Top Scorers

ICSE 10th Boards

- Awarded in **AFAE 2020** for excellence and achieving top scores in **ICSE 10th board examinations**.

RAIT Technovate

April 2025

Event-Head

Navi Mumbai, India

- Organized and led the **Treasure Hunt event at RAIT-Technovate 2025**, receiving appreciation for leadership and successful event coordination.

Hobbies

Programming, Cricket, Football, Table Tennis, Badminton, Reading, Gaming