

# NEEL RAUL

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## EDUCATION

- Dwarkadas J. Sanghvi College of Engineering, University of Mumbai, India** 2021 – present  
Bachelor of Technology in Artificial Intelligence & Machine Learning. CGPA: 8.67/10  
Honors in Immersive Technology
- Nirmala Memorial Foundation Junior College, Maharashtra Board** May 2021  
Higher Secondary Certificate (HSC). Percentage: 93.17%
- Thakur Vidya Mandir High School, Maharashtra Board** March 2019  
Secondary School Certificate (SSC). Percentage: 95.20%

## TECHNICAL SKILLS

- Programming Languages: Java, Python, C, HTML, CSS, JavaScript
- Libraries & Frameworks: TensorFlow, Matplotlib, Pandas, Keras, Flask, Django
- Relevant Courses: Data Structures, Machine Learning, Deep Learning, DevOps, Web Development, NLP, CV
- Database Management: MySQL, MongoDB, PostgreSQL
- Utility: MS Word, MS Excel, MS PowerPoint, MS Power BI

## INTERSHIPS & EXPERIENCE

- AI/ML Engineer & Coder** | *Sequus Pty. Ltd.* Jul – Sept 2024  
Contributed to Sequus AI by leveraging machine learning to automate the analysis of construction drawings and achieve accurate detection of architectural elements.
- Machine Learning Intern** | *Suvidha Mahila Foundation* Jul – Aug 2023  
Developed educational resources on machine learning while driving successful fundraising initiatives.

## ACADEMIC PROJECTS

- AI Based Placement Preparation Portal** | *Machine Learning, Flask*  
Designed a smart portal that analyses resume to provide personalized job role recommendations and resources for skill enhancement, tailored for placement preparation.
- Sales Data Visualization Dashboard** | *Data Analytics & Visualization*  
Created an end-to-end sales data visualization dashboard in MS Power BI, incorporating data gathering, modelling, DAX calculations, and a comprehensive single-page sales report.
- Medical Recommendation System** | *Machine Learning*  
Designed a medical recommendation system that predicts diseases based on user-input symptoms and provides detailed descriptions, precautions, medications, workouts, and diet recommendations.
- Fake News Detection** | *Natural Language Processing*  
Developed a Fake News Detection program leveraging techniques such as tokenization, TF-IDF vectorization, and the Porter Stemmer algorithm.
- Fire Detection & Reporting** | *Deep Learning, Flask*  
Engineered a web-based software using YOLO for real-time fire detection through a web camera, with automated reporting to authorities.

## LEADERSHIP & MANAGEMENT SKILLS

- Secretary for DJS ACM SIGAI** Jan 2023 – Jun 2024  
One of the founding members of the committee and a key decision maker.
- Committee Member for DJS NSS for Events Department** A.Y. 2022 – 2023  
Organised and been a crucial part of various programs for the welfare of the society.
- Committee Member for DJSCE's Trinity for Logistics Department** A.Y. 2022 – 2023  
Actively participated in all events and also helped in the working of creatives department along with logistical support throughout the festival.
- Appointed Head Boy** A.Y. 2012-13, 2013-14 & 2018-19

## AWARDS

- Secured **Gold Medal** for two consecutive years in **National Science Olympiad** under SOF.
- Secured **Gold Medal** for two consecutive years in **National Geography Olympiad**.