

# ADITYA

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## Education

**National Institute of Technology, Goa**

**2020 - 2024**

*B.Tech in Computer Science and Engineering*

*9.0/10 CGPA*

## Work Experience

**MAQ Software**

**Jan 2024 – Jun 2024**

*Associate Software Engineer*

- Developed robust full-stack web applications utilizing **ReactJs, NodeJs, Python, Redis, PostgreSQL and AWS(EC2 and S3 services)**, ensuring seamless user interactions.
- Collaborated with cross-functional teams to design, implement, and deploy software solutions, resulting in a 20% reduction in server costs
- Employed agile methodologies to deliver projects on schedule, adapting to emerging technologies and decreasing API response time by 35%.

## Projects

**Developed a French to English conversion system using Recurrent Neural Networks with 90% accuracy**

- Successfully processed and analyzed over 10,000 French and English text datasets using advanced deep learning techniques
- Trained a state-of-the-art Recurrent Neural Network (RNN) model with 93% accuracy to translate French sentences into English sentences.
- Leveraged cutting-edge technologies, including TensorFlow, Keras, and Python programming language, to develop and implement the project.

### Hotel Management System

- Engineered a comprehensive hostel management platform leveraging ReactJs, NodeJs, and MongoDB and used Vercel and MongoDB Atlas for hosting.
- Led a team of 3 in conceptualizing and implementing a comprehensive suite of features, encompassing hostel allotment, complaint, fee tracking and notice management, enhancing operational efficiency and user experience
- Resulted in a streamlined administrative process, reducing manual paper work effort by nearly 60%, fostering better communication between hostel authorities and residents, and enhancing overall hostel management..

## Technical Skills

**Languages:** C/C++, JavaScript, Python, TypeScript, SQL

**Framework:** NodeJs, React, Express, Scikit-learn, TensorFlow, Keras, TailwindCSS

**Clouds & Databases:** PostgreSQL, MySQL, MongoDB, AWS(EC2 and S3 services)

**Web Technologies:** Docker, Redis

**Developer Tools:** Git and GitHub, Linux (Ubuntu 22.04LTS), Windows, DataSpell, PyCharm, Docker, VS Code, Jupyter Notebook

## Achievements

- Qualified as an **ICPC Regionalist 2024**, demonstrating proficiency and skill in competitive programming
- Ranked **1st** in NPTEL Data Science Course and Selected for **IISc Bangalore Research Fellowship**
- Solved over **400+** Data Structures and Algorithms (DSA) problems on **Leetcode**, enhancing algorithmic thinking and coding efficiency
- **Twice qualified** in GATE for Computer Science & Engineering (CSE) with a best rank of **1433**, showcasing proficiency and dedication in the field
- Achieved **1st Rank** in Coding Contest at BITs Goa, showcasing strong programming skills
- Achieved **1st Rank** in Winter Hackathon at NIT Goa by creating a Automated Youtube Shorts generator .

## Position of Responsibility

- **Web Development Head — Coding Club NITGOA** **Jan 2022 - Dec 2022**
- **President — CSEA NITGOA** **Jan 2023 - Dec 2023**