

# Aditya Binoy.N

Artificial Intelligence Enthusiast and an Aspiring Scholar

(+91) 6282179922

adityabinoy1024@gmail.com

## PROFILE

A motivated B.tech student specializing in Artificial Intelligence, passionate about advancing technology and its impact on society with a strong foundation in AI concepts, Machine Learning, and Data Science. Committed to contributing innovative solutions to real-world challenges through academic achievements and hands-on projects, dedicated to advancing the field of artificial intelligence.

## EDUCATION

**Sri Sairam Engineering College, Chennai**

NOVEMBER 2020 – PRESENT, B.Tech Artificial Intelligence And Data Science

**Kendriya Vidyalaya, Aruvankadu (The Nilgiris)**

APRIL 2018 – MARCH 2020, CBSE - Computer Science and Maths (PCM)

**Holy Innocents High School, Wellington (The Nilgiris)**

APRIL 2006 – MARCH 2018, ICSE

## INTERNSHIP EXPERIENCE

**Cordite Factory (Ministry of Defence), Aruvankadu (The Nilgiris)**

JULY 2022 – AUGUST 2022, Automation in Industry Project- Clarifier Automation

**Adiroha Solutions OPC PVT, Bengaluru**

JANUARY 2023 – FEBRUARY 2023, Full Stack Development Project- Website Replication

**Do It Yourself Academy (D.I.Y.A), Chennai**

JANUARY 2024 – MARCH 2024, Robotics Intern, Conducted Workshop for Intel CSR activity Project- Biometric Attendance system

## PAPERS PUBLISHED

**“A study on Navigation/tracking System Combining GPS and NFC Technologies”, International Journal of Computer Science Trends and Technology (IJCTST) – Volume 10 Issue 3, May-Jun 2022- This research study demonstrates Near Field Communication (NFC) based indoor navigation system which promotes users to navigate through building or complex by enabling a specific location update by touching NFC tags those are spread around and orient users to the destination.**

## ACADEMIC PROJECT

**Underwater Communication System For AUV**

Supervisor: Mrs. Sangeetha V, Sri Sairam Engineering College, Chennai

**Project- De-noising of Acoustic signal with AI Algorithms-** The objective was to increase the underwater unmanned aerial vehicle drone's potential for underwater research and exploration by utilizing cutting-edge technology like computer vision and machine learning. I designed and implemented the machine learning algorithms, which allowed for underwater object detection and autonomous navigation with the help of convolutional neural networks (CNNs) trained to identify underwater characteristics and marine life from photos that the drone's cameras and sensors recorded.

*I was drawn to the task of training CNN architectures tailored to the unique characteristics of underwater images, including dealing with low-light conditions, varying water turbidity, and distortions caused by refraction. On the computer vision front, the project introduced me to advanced techniques for visual simultaneous localization and mapping (V-SLAM), which played a crucial role in enabling the drone to localize itself relative to underwater landmarks and to build a map of its environment in real-time.*

## LEADERSHIP EXPERIENCE

Sri Sairam Engineering College- Ideathon 2023

Academic Project Team Lead SDG 14 Contest - Team Lead

Delivered lectures in Workshop about Line Follower robot in-

i) JNNCE, Shimoga, Karnataka

ii) SCAD College of Engineering, Tirunelveli, Tamil Nadu

iii) St.Mother Theresa Engineering College, Thoothukudi, Tamil Nadu

## ADDITIONAL SKILLS

**Coding Languages:**

Python, Java, C, C++

**Online Certifications:**

i) Design & Implementation of Human-Computer Interfaces

ii) Entrepreneurship

iii) Roadmap for patent creation

**Languages:**

English, Hindi, Malayalam, Tamil

**Microsoft Office:**

Word, Excel and Powerpoint

**Photography and Editing:**

DSLR, Handycam photos, Photo Editing and Video Editing

**Sports:**

Badminton, Table Tennis