

# Advaith Reddy Baddam

advaithbaddam5@gmail.com | +91 9949481724 | Github | LinkedIn

## EDUCATION

### Kalasalingam Academy of Research and Education

B. Tech in Computer Science

Aug 2020 - Present | Madurai, India

- CGPA: 8.78
- Specialization in Artificial Intelligence and Machine Learning

### Asia University Taiwan

Student Exchange Program in AIML

Sep 2022 – Jan 2023 | Taiwan, China

- Grade: 97%
- Artificial Intelligence in Management

## COURSE WORK

- Operating Systems
- Computer Architecture and Organization
- Database Management System
- Design and Analysis of Algorithms
- Data Structures and Algorithms
- Compiler Design

## SKILLS

### PROGRAMMING

- Bash • Python • SQL • JavaScript
- C • C++ • CSS • Node.js
- MongoDB • C#
- Django • HTML • React

### COMPETITIVE PROGRAMMING

- Codechef : lazychef123  
(Max-rating: 734)
- Leetcode : cloneme (max-rating : 1505)

### POSITIONS OF RESPONSIBILITY

- Teaching Assistant - C++ (PrePly)  
As a team leader for multiple college projects, I effectively coordinated and motivated team members, resulting in successful project completions and outstanding accomplishments.

## ACHIEVEMENTS

- Ranked 5th in College Coding Ninjas coding competition among 500 Participants.
- AIR 1454 in Leetcode Biweekly Contest out of 0.1M participants.
- Gold Medallist in Science Olympiad Foundation (SOF – Region Level Top 100) - 2016

## INDUSTRIAL EXPERIENCE

### SOIL NUTRITION DETECTION | Project Member

- Skills: Flask, Python, Excel, HTML, CSS, JS
- Designed the soil nutrition model as our Community Service Project which can help farmers in various ways to detect Soil.
- Created landing page for the model using Flask, integrating Translation support for the application.

## PERSONAL AND ACADEMIC PROJECTS

### AIR QUALITY ANALYSIS | A Guide to Air Pollution

Utilized machine learning techniques to design and deploy an innovative model for analyzing air quality data, enabling real-time monitoring, and providing valuable insights for environmental conservation.

### OBJECT DETECTION | Enhancing Visual Perception and Automation

Utilized OpenCV's computer vision library to develop a robust object detection system capable of real-time visual recognition and analysis.

### EMPLOYEE MANAGEMENT SYSTEM | A NoSQL DBMS

Designed and developed a comprehensive Employee management system that integrated various modules.

### BALL BLITZ | A GUI game based using C++

Created a classic ping pong game using C++ programming language, leveraging object-oriented principles, game physics, and graphics libraries to deliver an engaging and interactive gaming experience.

### MULTI-THREADING | C and POSIX threads

Developed simulations that replicated real-life scenarios by incorporating computer networking, threading, and operating system concepts. Leveraging the pthread library in C.

### SHELL | Operating Systems, Linux, Shell

A linux shell, written in C programming, with an interactive pleasing CLI with self-implemented features like commands, directory management, piping, process handling (background and foreground) as well as input-output redirection.

### CUSTOMER CHURN PREDICTION | Anticipating Customer Behaviour for Retention Strategies

Developed a customer churn prediction model using machine learning techniques to identify patterns and factors that contribute to customer attrition.