

# SAHANA ASHOK

Contact: +91 93615 09718 • lochanaa24@gmail.com

With a goal-oriented mental model and a collaborative leadership style, I look forward to building innovative and creative products/services focused on adding exceptional value both to the firm and the larger society.

## SKILLS

C	Python	OOP Concepts	Data Analysis	Statistics
C++	SQL	Data Structures	HTML/ CSS	Mathematics

## STRENGTHS

- Leadership
- Communication (Oral/Written)
- Active Listening
- Collaborative Problem Solving
- Strong Interpersonal skills
- Attention to Detail
- Achiever (Goal-Driven)
- Innovative Teamwork
- Time Management

## PROFESSIONAL DEVELOPMENT

### 1.Python for Everybody (Specialization)

Coursera

### 2.IBM Data Science (In Progress)

Coursera

### Select Courses

### 3.Problem Solving by Programming in C (Topper)

NPTEL

### 4.Fundamentals of Data Science

PadhAI

### 5.Financial Accounting Fundamentals

Coursera

### 6.Microsoft AI Azure Challenge

Microsoft

### 7.Automation Anywhere RPA Fundamentals

AAU

### 8.Cybersecurity Essentials

Cisco

### 9.Image Processing Onramp

Mathworks

### 10.Python and Computer Vision

ShapeAI

### 11.Web dev with HTML, CSS, and Bootstrap

ShapeAI

## EDUCATION

### 2019 - 2023 • B.Tech Computer Science 9.63 CGPA

Manakula Vinayagar Institute of Technology(MVIT), Puducherry

### 2019 • HSC (School 1st Rank Holder) 95.6%

Computer Science (C++, SQL), Mathematics, Physics, Chemistry, and English

The Study School, Puducherry

### 2017 • SSC 10 CGPA 95%

Mathematics, English, Science, Social Science, and French

The Study School, Puducherry

## INTERNSHIPS

### Airdonex: Backend Development

September 2021 - December 2021

- Provide backend API development and maintenance using Django, Rest Framework, etc. using Python code with team.
- Optimize test cases to maximize success of manual software testing by designing, developing, and testing Rest APIs.

### Devtown: Data Analysis

June 2021 - August 2021

- Applied concepts of Machine Learning (ML), Deep Learning (DL), Data Structures, Structured Query Language (SQL), Data Preprocessing, Feature Engineering, Visualization, etc. into projects.
- Collaborated with peers to improve data management, analysis, and effectiveness using Python code.
- Analyzed and predicted the Human Freedom Index data (2008-2018) as my Capstone Project with **99.9%** accuracy.

### VI Solutions: Internet of Things (IoT), Machine Learning (ML), and Deep Learning (DL)

April 2021 - May 2021

- Gathered requirements to develop LabVIEW Virtual Instruments (VIs) from basics.
- Learnt projects in areas such as Image and Video processing, ML (OCR, Wave Recognition, Colour Recognition, and Object Detection), DL (MNIST Classification, Speech Recognition, and Object Recognition), IoT, and Cloud.

### GSK Technologies: Video Processing

Jan 2021 - Feb 2021

- Created real-time video processing software program using Python and OpenCV.
- Collaborated and studied with members of the software development team.

## ACHIEVEMENTS

- **School 1st Rank Holder** and Puducherry **State 3rd Rank Holder** in Group A2 12th
- **90.6 percentile** in JEE Main 2019
- **94.3 percentile** in NGSF Mains 2019 (Economics and Mathematics)
- Qualified **GATE 2022 (CS)**
- **292nd Rank** in Codevita 2022
- **Grade 3 Runner up** in International Space Science Olympiad (ISSO) 2020
- **1st Place** in Mitilence Technical Symposium 2021 'Code Storm'
- **3rd Place** in Paper Presentation, Krishcon 2020
- **3rd Place** in Mitilence Technical Symposium 2020 'Crypt Your Mind'
- **1st Place** in Aurora Technical Event 2021 'Hunky Brains Quiz'
- **1st Place** in Young Indians **Debate on Indian Development by 2030** MVIT
- **2nd Place** in **Debate for Modern Education** MVIT
- **7 Courses** completed of 8 in **Learnathon 2021**

## FOUR

## RECENT PROJECTS

### Human Freedom Index Analysis

Python, Numpy, Pandas, Seaborn

### To do List Management Website

Python, Django, HTML, Bootstrap, Rest Framework, SQLite

### Virtual Campus Tour

Python, Django, A-Frame, WebRTC, HTML, CSS, JavaScript

### Dashboard

Java Swing, SQLite

## ROLES

### Project Lead

Smart India Hackathon MVIT

### Team Leader

Workshop on Entrepreneurship MVIT

### Cyber Club Asst. Secretary

The Study School (2017-2018)