

Omkar Avasare

Student , SY Information Technology

Ambitious SY B.tech IT student with hands-on C++ development internship experience at Codsoft and proven open-source contributions at GSSOC'24. Currently driving technical initiatives at ITSA while exploring AI/ML and cloud technologies. Eager to innovate at the intersection of software development and emerging tech through real-world projects.

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EDUCATION

Bachelor of Technology

AISSMS Institute of Information Technology

08/2023 - Present

(An Autonomous Institute affiliated to Savitribai Phule Pune University,Pune)

B.Tech in Information Technology

– (Minor in Instrumentation Engineering)

Higher Secondary Education

Shri Shivaji Vidyamandir and Junior College

06/2021 - 02/2023

Pune

Primary and Secondary Education

Mar Ivanios Convent School

06/2009 - 04/2020

Pune

WORK EXPERIENCE

Technical Team Member

IT Students Association, AISSMS IOIT

08/2024 - Present

Events

- Organised technical events and hackathons, fostering innovation among 200+ participants
- Managing technical documentation and resources for association's development initiatives

Open Source Contributor

GirlScript Summer of Code

05/2024 - 08/2024

India's leading three-month contribution program by GirlScript Foundation

Completed the Following Challenges

- Implemented robust backend functionalities using Node.js to optimize website performance
- Resolved 15+ critical issues improving overall application stability and user experience
- Engineered robust MongoDB architecture to efficiently handle large-scale data operations and improve scalability
- Architected RESTful APIs to enable seamless communication between frontend and backend services
- Achieved Postman API student expert badge

C++ Development Intern

Codsoft

01/2024 - 02/2024

Successfully Completed the Virtual Internship in First year Summer break

Fulfilled All the 5 Assigned tasks

- Implemented a Student Grading System
- Designed a system to perform file handling tasks
- Successfully Developed a Movie ticket booking system

SKILLS

Web Development

MERN Stack

Python

Data Structures & Algorithm

Go Language

Restful APIs

Object Oriented Programming - C++ & Java

Postman APIs

DBs : SQL, MongoDB

Google Cloud Platform

PERSONAL PROJECTS

1.SCRUTER-A local marketplace Web app

- Collaborated with a cross-functional team to engineer a scalable local marketplace progressive web app -SCRUTER
- Created a responsive frontend with React.js and Tailwind CSS and managed server-side operations efficiently using Node.js and Express.
- Utilized MongoDB to enable quick data storage and retrieval, while Firebase integration ensured secure user authentication.

2.Heat transfer enhancement and thermal analysis of heatsinks using AI/ML Tools

- Engineered AI/ML models to optimize heat sink performance, enhancing thermal efficiency through predictive analysis
- Developed machine learning algorithms to analyze and predict heat transfer patterns in thermal management systems

3.Movie Ticket Booking System (Mini Project)

- Utilized my DSA skills to build a User friendly and efficient Movie ticket booking system

4.Movie Recommendation System

- Developed a Recommendation system using Python that recommends similar movies and achieved best accuracy in it

CERTIFICATIONS

1.Cybersecurity and Ethical Hacking

Issued by : IOIT ACM Student Chapter

2.Google Cloud Study Jams'23

3.Introduction to Cybersecurity

Issued by: CISCO

4.TCS iON Career Edge - Young Professional

Issued by: TCS ion

LANGUAGES

English

Full Professional Proficiency

Marathi, Hindi

Full Professional Proficiency

INTEREST

Software Development

Cloud Computing & System Design

Web Development

AI & Machine Learning