Omkar Avasare

Student , SY Information Technology

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Ambitious SY 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.

EDUCATION

Bachelor of Technology
AISSMS Institute of Information Technology

08/2023 - Present   (An Autonomous Institute affiliated to Savtribai 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

MS Excel and other tools Restful APIs

Object Oriented Programming - C++ & Java Postman APIs

Google Cloud Platform DBs : SQl, MongoDB

PERSONAL PROJECTS

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
- Research Paper submitted for publishing

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.
- Deployed on Vercel app, the platform achieves high scalability and optimized performance, providing a seamless experience for users.

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

Cloud Computing & System Design Web Development

Machine Learning & AI Development

Open Source Contribution Software Development