SOMESH HARSULE

205121092.somesh.harsule@gmail.com | **LinkedIn** | | **Github** | | **Portfolio** | **Contact: +91-9752970628**

Education

National Institute of Technology, Tiruchirappalli	**2021-2024**
Master of Computer Applications, MCA: CGPA: 7.41*	
Government Holkar Science College, Indore, Madhya Pradesh	**2017-2020**
Bachelor of Science (B.Sc.) Computer Science Percentage: 66.79%	
Saraswati Vidhya Mandir Higher Secondary School, Dhar, Madhya Pradesh	**2015-2017**
Higher Secondary, Class XII, Percentage: 82.80%	
Secondary, Class X, Percentage: 89.17%	**2015**

Skills

- Languages: C, C++, Python, Core Java, HTML/CSS, JavaScript, SQL.
- Technologies/Frameworks: Linux, GitHub, MondoDB, MySQL, ExpressJS, ReactJS, Bootstrap, Docker, Figma, Django, Flask, SQLiite.
- Developer Tools: Jupyter Notebook, VSCode, MySQL Workbench, Anaconda, Apache, Cisco Packet Tracer, Wireshark, FileZilla, IntelliJ IDEA, Bacula, Microsoft Azure, Power BI.
- Coursework: Database Management System, Operating System, Computer Network, Object-oriented Programming in C++.
- Coding Platforms: LeetCode, GeeksforGeeks, CodingNinjas, Hackerrank.

Work Experience

❖ **R&C Dean (NIT TRICHY):**   Mar 2023-Jan 2024
- In internship Developed an **intranet** application utilizing **React JS, Express JS, and MySQL** to streamline the secure transfer of confidentialfiles for the dean and faculty at NIT Trichy.
- Enhanced NIT Trichy's intranet system, boosting productivity by 60\% and simplifying operations for 200+ faculty and the dean.

❖ **Internship Program In ML at Codsoft:**   Sep 2023- Oct 2023
- Designed and implemented machine learning models for spam detection, bank customer churn prediction, and credit card fraud prevention, significantly enhancing security measures and operational efficiency.

Projects

❖ **School MIS Application:**   Jan 2024-Mar2024
- Developed a comprehensive School Management Information System (MIS) using **Django, HTML, CSS, and JavaScript**.
- The system allows efficient management of student data, attendance, progress tracking, and complaint handling.

❖ **CPC Exam Portal:**   Jan 2023-Mar 2023
- Implemented a user-friendly software for NIT Trichy CPC Exam Portal using **Django, SQLite** backend, and **HTML, CSS, JavaScript** frontend.
- Designed a secure authentication system interface for exam portal, reducing navigation time by 40% and improving access for faculty and students. Portal ensuring data privacy and integrity for over 10,000 users.

❖ **Facial Key points Detection:**   Aug 2022-Jan 2023
- Constructed and trained a deep learning model based on Convolutional Neural Networks (CNNs) and Residual blocks to detect 68 facial key points on 5000 images.
- Achieved a mean squared error of 0.01 on the test set and demonstrated the potential applications of the model for facial recognition and medical diagnosis.

❖ **CO-OLX:**   Mar 2022-Jul 2022
- Created the application with the **Flask** framework of Python, utilizing **SQLite** as the database backend.
- Collaborated with a team of 5 students to develop an online platform for campus commerce, using webmail authentication to ensure security and reliability.
- Enabled students to buy or sell used products conveniently and efficiently, increasing user satisfaction and engagement by 35%.

Achievements and Certifications

- IN CN Studio Weekly Contest 110 got 66th rank and achieved a place among the top 2-5%.
- I have the **"Knight"** badge on Leetcode, which places me in the **Top 5% (Rating 1868)** of contest ratings and solved over 1000+ problems over global coding platforms and participated in 70+ global coding contests.
- Qualified the **BITS, JNU, VIT, BHU, NIMCET MCA** Entrance Test-2021.
- Earned the **1st** distinction in Agamya at **Technofania'2022**, a prestigious competition hosted by the OSOC Club at NIT Trichy.
- Attained the top-ranking position in "**Call Yourself Creative**" at **Technofania'2022**, organized by the OSOC Club at NIT Trichy.
- Achieved recognition under the **Chief Minister's** Scheme for exceptional performance in Class XII [2017], awarded a cash prize of Rs. **25000** for academic excellence and dedication to studies.
- SQL (Advanced), Internship Program In ML, Power BI(Basic).

Position of Responsibility

❖ **Central Coordinator Committee, Version'23**:   Feb 2023 – Jan 2024
- Managed the committee for printing and publishing., ensured seamless execution, communicated technical initiatives to 26 - member team, delivered high-quality experience to 500+ attendees.

❖ **Head of Editing Team, AAYAAM – THE HINDI CELL OF NITT:**   Mar 2023 – Present
- Led editing team, crafted logos/videos, enhanced NIT Trichy events' visual identity, driving 30% engagement boost, lauded for precision-driven creativity.

❖ **Member of ACM Student Chapter (NIT Trichy):**   Oct 2022 – Present
- Guided Acumen'22 success at NIT Trichy as an active member of the ACM Student Chapter, promoting innovation and providing a memorable experience for attendees.