

Swarna Venkata Sai Rohit

swarnas@iitbhilai.ac.in | (+91) 7981544438 | [LinkedIn](#) | [GitHub](#)

Skills

- **Programming Languages:** C, C++, JavaScript
- **Web Development:** HTML, CSS, React.js, Tailwind CSS, Bootstrap, Node.js, Express.js
- **Tools:** Git, GitHub, MongoDB
- **Additional Skills:** MATLAB, Problem Solving, Data Structures and Algorithms (DSA)

Education

- **Indian Institute of Technology Bhilai (IIT Bhilai)** *Aug 2023 – Apr 2027 (Expected Graduation)*
Bachelor of Technology (B.Tech.) in Electrical Engineering
CGPA: 8.87 (SGPA in the latest semester: 9.01)
- **TSBIE, FIITJEE, Hyderabad** *2023*
Class XII: **97.92%**
- **Defence Laboratories School, Hyderabad** *2021*
Class X: **94.8%**

Experience

- **OpenLake IIT Bhilai** — Mentor *October 2024 – Present*
Guiding students in open-source domain, fostering a development-oriented mindset.
- **FOSS Club IIT Bhilai** — Core Member *October 2024 – Present*
Facilitating workshops and sessions to encourage open-source development and collaboration within the IIT Bhilai community by collaborating with FOSS UNITED.
- **Website Manager** — **Student Mentorship Programme, IIT Bhilai** *May 2024 – Present*
Part of the web development team for the SMP Polaris Website, enhancing the Polaris website using **HTML, CSS, JS, Git, and GitHub**.
- **Mentor** — **Student Mentorship Programme, IIT Bhilai** *May 2024 – Present*
Shortlisted through an interview to become an SMP mentor. Guided students during their college registration process.
- **Space Exploration Society, IIT Bhilai** — Core Member *April 2024 – Present*
Participated in GDs, sessions, and attended an ISRO seminar at NIT Raipur.

Academic Projects

- **AR-Based Human-Machine Interface for Tool Condition Monitoring** *Ongoing*
Selected for the prestigious **TIH-IoT CHANAKYA Fellowship at IIT Bombay**.
 - Developing an AR-based interface for real-time tool condition monitoring.
 - Integrating IoT sensors for predictive maintenance and enhanced safety.
 - Include technical impact like -Reduced manufacturing downtime by integrating predictive maintenance using AR.
 - [View Sanction Letter](#)

- **Polaris Website for IIT Bh Student Mentorship Programme (SMP):**

2024

This project involved the usage of **HTML and CSS** to build the front-end.

Worked as a **Website Manager** to enhance IIT Bhilai's Polaris website for SMP. This project is live with active users. Visit the website: <https://polaris.iitbhilai.ac.in/> (**SMP POLARIS WEBSITE OF IIT Bh. My name is listed in the Developers section of the website**).

- **Portfolio Website:** Personal portfolio website. Developed the front-end using **React.js**, integrated **Tailwind CSS for responsive design**. Currently under updation.

GitHub Repository: <https://github.com/rohit02k5/Portfolio-Website>

- **Amazon Clone:** Clone of the Front-End of Amazon (E-Commerce Page)

GitHub Repository: <https://github.com/rohit02k5/Amazon-clone>

- **Game Website:** Web-based Tic-Tac-Toe game using **HTML, CSS, and JavaScript**.

GitHub Repository: <https://github.com/rohit02k5/Tic-Tac-Toe-Game>

Last 3 projects can be found on my GitHub account

Certifications

- **MATLAB Certifications:**

- [Deep Learning Onramp](#)
- [MATLAB Onramp](#)
- [Deep Learning with MATLAB](#)
- [Deep Learning with MATLAB \(Progress Report\)](#)

- **ATF Contest Stage 1:** [Certificate for the Stage 1 Qualification](#).

Achievements

- **TIH-IoT CHANAKYA Fellowship (IIT Bombay):** Selected for IoT-driven AR project.
- **JEE Advanced (AIR 10,398):** Secured a seat at IIT Bhilai.
- **Cleared ATF Stage-I:** Cleared ATF Stage-I, placing in the top 4000 among 20,000+ applicants across India
- **Leaderboard Contest by Ingenuity:** Ranked 5th in the leaderboard contest organized by Ingenuity, the competitive programming club of IIT Bhilai.
- **Solved 220+ DSA problems (majorly from LeetCode).**
Profiles: [LeetCode](#) (earned a 50-day badge, solved majorly Leetcode medium problems) and [GeeksforGeeks](#) (focusing on data structures and algorithms).

Key Courses Completed

- Linear Algebra
- Probability & Statistics
- Analog & Digital Electronics
- Introduction to Programming