Anvesha Singh

LinkedIn : Anvesha-Singh
Github : Anvesha-Singh

Mobile: +91 7862007499
Email: sanvesha04@gmail.com

EDUCATION

- **Vellore Institute of Technology, Chennai** — Chennai, Tamil Nadu
  Bachelor of CSE with Specialization in AI and Robotics; CGPA: 9.1 — *Sep. 2022 – July 2026(Expected)*

- **Shannen School HSC** — Vadodara, Gujarat
  PCM in Gujarat Secondary and Higher Secondary Education Board; Percentile: 97% — *June. 2020 – April 2022*

- **Shannen School SSC** — Vadodara, Gujarat
  Gujarat Secondary and Higher Secondary Education Board; Percentile: 99% — *June. 2018 – April 2020*

SKILLS

- **Languages**: C, C++, Python, Java, HTML, CSS, JavaScript, SQL

- **Soft Skills**: Leadership, Event and Time Management, Teamwork, Communication, Adaptable

- **Tools**: Github, Google Colab, Figma, Arduino, Visual Studio Code

PROJECTS

- **CaseFlowPro (September 2023)**:
  - Created a web-app that can be used by Judges to organise their workflow implementing **DCM**.
  - A **Smart India Hackathon** Project under the Ministry of Law Category.
  - Took responsibility for the research, design and presentation of the project.

- **VIT Achievements Page (February 2023)**:
  - Developed a website for displaying the achievements made by VIT students and faculty.
  - Final project for the Web Development Workshop and Competition organised by **Spoken Tutorial IIT Bombay**.
  - Was responsible for the front-end using **HTML** and **CSS**.

- **Surgical Smoke Detection (April 2024)**:
  - Developed a **deep learning model** to detect smoke and non-smoke frames during surgical process.
  - Created during a 36-hour Hackathon by **Stryker**.
  - Pre-processed and developed various models to test out the model with best accuracy.

- **Contactless Thermometer (April 2024)**:
  - Created a contactless thermometer using an **Arduino** and an MLX sensor (like the MLX90614 or MLX90632)
  - Developed as a Sensors, Actuators and Signal Conditioning subject's Project.
  - Responsible for researching and assembling the circuit while ensuring accurate measurement.

- **Nonograms (May 2023)**:
  - Programmed a bot that can solve Nonograms on its own given the blank spaces and clues.
  - Team project assigned to us at the **Women Engineers Bootcamp** by **TalentSprint**.
  - Was tasked with coding the base strategies and a few advanced methods for the bot to solve the Nonogram.

ACHIEVEMENTS

- **Google WE Scholar**: Selected in the **Top 200** out of 23 thousand applicants for Women Engineers **Scholarship Program** by TalentSprint sponsored by Google.

- **Olympiad Gold Medalist**: Awarded the Gold Medal for Performance Excellence in International English Olympiad **IEO** and International Mathematics Olympiad **IMO** at the School Level.

KEY COURSES TAKEN

- **Women Engineers BootCamp 2023**:
  ○ Participated in a 3 Week physical Bootcamp conducted from May 2023 at **IIIT Hyderabad**, Telangana.
  ○ Learnt self-learning skills, computational and analytical skills, clean-coding techniques, working on projects in teams, and **Corporate Skills**.
- **Internet of Things and Space BootCamp**:
  ○ 1 Week physical Bootcamp conducted from December 2023 at Hyderabad by ECE Dept., **B V Raju Institute of Technology.**
  ○ Practical understanding of **Wireless Communication Tech** like Node MCU, Rasperry Pi, ESP32 Microcontroller, ThinkSpeak through MATLAB, Live streaming satellite data

POSITIONS OF RESPONSIBILITY

- **General Secretary** — Chennai, Tamil Nadu
  IEEE Computer Society, VIT Chennai — *Oct 2023 – Present*
    ○ Organised a Competitive Coding event with **400+** college student participants called **BitWars Algorithm ShowDown** as the Student Coordinator.

EXTRA-CURRICULAR

- **Karate Black Belt**: Obtained a Diploma in Karate Martial Arts after 7 years of practice.
- **Best All Rounder**: Won the trophy for the Best All Rounder student in primary school for 3 years straight.