



# Atharva Shukla

B.Tech-Computer Science and Engineering

Vellore Institute of Technology, Chennai

+91-8369707468

✉ shuklaatharva813@gmail.com

✉ atharva.shukla2023@vitstudent.ac.in

🔗 github.com/atharvashukla13

🌐 linkedin.com/in/atharva/

👉 My portfolio

## EDUCATION

### - Vellore Institute of Technology (VIT), Chennai

B.Tech. – Computer Science and Engineering (AI/ML)

2023- Expected 2027

CGPA: 8.47

### - DAV Public School, Nerul

Class 12th, CBSE Board

2021-2023

Percentage: 90.2

## EXPERIENCE

### - Internship at VIT Connect (VIT Chennai)

Content & Outreach Intern

Oct 2024 - Feb 2025

- Created high-impact student outreach campaigns that improved visibility across VIT platforms.
- Contributed to a 20% increase in social interaction on VIT Chennai's official digital channels
- Skills: Social Media Strategy · Content Creation · Digital Marketing

## RESEARCH

### - Explainable QNNs for Cancer Classification – VIT Research Initiative

Feb 2025 – Present

- Developed quantum models for cancer diagnosis and interpretability
- Focused on optimizing edge deployment for faster and more reliable inference
- Tools & Concepts: Python · Quantum AI · Explainable AI · Model Interpretability

### - Polymetallic Nodule Detection – VIT Research Initiative

Dec 2024 - Present

- Developed a seabed object detection model using YOLOv7/YOLOv8 architectures.
- Optimized performance of TensorFlow models for underwater exploration scenarios.
- Tools & Concepts: YOLOv7/v8 · OpenCV · TensorFlow · Image Processing.

## TECHNICAL SKILLS

- Languages:** Python · Java · C++ · JavaScript
- Frontend:** HTML5 · CSS3 · React.js · Bootstrap
- Backend:** Node.js · Express.js · PHP
- Dev Tools:** Git · GitHub · Postman · CI/CD (Basic)
- Database & Cloud:** MongoDB · MySQL · Firebase · Azure · AWS (Basic)
- Miscellaneous:** REST APIs · Socket.io · FFmpeg · Video.js · WordPress

## PROJECTS

### - Personal Portfolio Website

Interactive frontend to showcase projects and contact

- Designed and developed a dynamic portfolio website with light/dark mode
- Included animated sections, contact form, and smooth navigation
- Technology: HTML · CSS · JavaScript [🔗 GitHub](#)

### - Real - Time Chat App

Full-stack messaging platform with real-time updates

- Developed a web-based chat app using React.js, Node.js, Express, and MongoDB
- Enabled live two-way communication via Socket.io for seamless messaging
- Technology: React.js · Node.js · Express · MongoDB · Socket.io

## ACHIEVEMENTS

- Secured **13th place** in CodeWars among 100+ participants, demonstrated **strong problem-solving** and coding speed.
- Selected as a core member of the Press & Media Committee for TechnoVIT, VIT's official tech fest.

## CERTIFICATION

- Microsoft AI & ML Engineering Certificate from Coursera (Pursuing)
- Introduction to Azure Fundamentals by Microsoft Learn

April 2025

November 2022

## INTERESTS & HOBBIES

- Reading & Research:** Passionate about AI/ML and tech innovation, regularly explore academic papers, blogs, and books to expand perspective.+
- Enjoy **playing football**, which fostered skills in **teamwork**, **communication**, and **strategic thinking**.