

# AVADHESH KUMAR SHAH

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 [github.com/avadheshgithub](https://github.com/avadheshgithub)

## Education

### VIT Bhopal University

*Int. master of Technology in Computer Science and Engineering (GPA: 9.23 / 10.00)*

**Expected 05/2027**

*Bhopal, Madhya Pradesh*

### Govt. Excellence HSS Singrauli

*Senior Secondary School Certificate (Class XII) - 92.6%*

**05/2022**

*Singrauli, Madhya Pradesh*

### Govt. Excellence HSS Singrauli

*High School Certificate (Class X) - 96%*

**05/2020**

*Singrauli, Madhya Pradesh*

## Technical Skills

**Programming Languages:** C++, Python, R, Java, JavaScript

**Development:** HTML, CSS, JavaScript, Node.js, React, Express.js, MongoDB, JWT, Git, GitHub

**Tools Technologies:** SQL, APIs, Git, Django, MongoDB, Machine Learning

**Relevant Coursework:** DSA, DBMS, Operating System (OS), Computer Network (CN)

**Soft Skills:** Task Management, Adaptability, Team Building, Time Management

## Experience

### GirlScript Summer of Code (GSSoC)

**(Jan'24 - May'24)**

*Open Source Contributor*

- Collaborated on open-source projects, adding features and improving code quality.

### Academic Research | Vellore Institute of Technology Bhopal

**(Jan'25 –May'25)**

*Research Team Member*

- Contributed as part of a 5-member team to the research paper titled "Cognitive E-KYC: A Convergence of Biometric Forensics and Digital Identity Validation" (published by IEEE).
- Developed a Cognitive E-KYC platform integrating OCR and OpenCV-based face verification to streamline identity verification processes.

## Projects

### Funkskool Strike4 – AI Connect4 Game | *React, TypeScript, Node JS, JavaScript, HTML, CSS*

**July'25**

- Developed an interactive Connect 4 game featuring dual gameplay modes: competitive 2-player (local) and single-player vs AI. Featuring a smart opponent. Engineered smart AI opponent using optimized decision algorithms, colorful UI.
- A7x6 grid system with turn-based disk placement, supporting win-condition checks (horizontal, vertical, diagonal).

### CrimeSafe Navigator – Crime Prediction, Detection and Safety Comparison | *ML, Database, HTML/CSS/JS*

**July'24**

- Developed a web app to detect and analyze crime rates using machine learning algorithms in different cities.
- Implemented the solution as a user-friendly web app using ML, Database, front-end and back-end technologies.
- Managed the command execution logic, ensuring seamless integration between voice commands and system operations.

### Well-Scan – Healthy Organs Checkup | *Django, MongoDB, Python, HTML/CSS/JavaScript*

**Dec'23**

- Developed health-care project designed to predict organs disease stage of disease, recommendation for nearby hospitals, diet charts along with BMI index calculator.
- Integrated ML for prediction and recommendation with 95% accuracy, Frontend technologies HTML, CSS, JavaScript, Backend technologies Django, MongoDB Jupyter notebook

## Achievements & Extracurricular Activities

- **GeeksforGeeks:** Achieved a 3-Star rating (University Rank: 296). [GFG Link]
- **Leetcode:** Solved 383 problems in C++ on Leetcode Platform (Rank : 251K). [Leetcode Link]
- **STARS Scholarship:** Awarded a 100% fee waiver by VIT Bhopal University).
- **Scholarship for Higher Education (INSPIRE SHE):** for ranking in the top 1% of Class XII examinations.
- **Cloud Zone Club (VIT Bhopal):** Organized 5+ Hackathons and coding competitions in VIT Bhopal.

## Certifications

- **Microsoft:** Microsoft Azure for Data Engineering
- **Google:** Foundation of Cybersecurity
- **University of Michigan:** Applied Machine Learning in Python
- **IBM:** Introduction to Data Analytics
- **Meta:** Introduction to Front-End Development