

Karan Saxena

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[Leetcode](#)

EDUCATION

VIT Bhopal University

B.Tech - Computer Science Engineering - CGPA - 8.01

Sehore, Madhya Pradesh

2022 - 2026

City Montessori School

Higher Secondary - Percentage - 95%

Kanpur, Lucknow

Graduated in 2021

PROJECTS

Probability Calculator | *Python*

- Description-Program to calculate the probability of events by performing large number of experiments to estimate the approximate probability of the event.
- Visualized GitHub data to show collaboration
- [Github Link](#)

Health Menta | *HTML, TypeScript, JavaScript, Python, CSS, Git*

- Developed a Health Centre Locating program.
- View hospitals, clinics, and pharmacies on a map
- Get details like contact information, opening hours, and ratings
- Navigate to the nearest health facility seamlessly
- [Github link](#)

TECHNICAL SKILLS

Languages: Python, C/C++, R, ARM64 Assembly, Bash, Rust, Embedded C

Frameworks: Flask, FastAPI, Streamlit

Microcontrollers: Arduino, MSP430, STM32, ESP32, Raspberry Pi

Developer Tools: vim, Git, Docker, Platformio, ArduinoIDE, VS Code, PyCharm, STMCubeIDE

Libraries: pandas, NumPy, Matplotlib, Sci-kit Learn

Core Concepts: Embedded Systems, RTOS, Communication Protocols(UART, SPI, I2C), Linux