

Nehal Mahendra Rane

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🐙 [GitHub](#)

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Profile

Aspiring software engineer with a strong foundation in computer engineering, analytical skills, and technical expertise. Proven ability to innovate and deliver impactful projects, with a focus on IoT, cloud computing, and software development.

Education

Bachelor of Engineering in Computer Engineering

December 2021–Present

Savitribai Phule Pune University, Pune, MH

- GPA: 9.0/10

Higher Secondary Certificate (HSC)

May 2021

Anglo Urdu Boys Junior College, Pune, MH

- Scored: 96.50% (PCM)

Secondary School Certificate (SSC)

March 2019

St. Aloysius Convent High School, Bhusawal, MH

- Scored: 95.40%

Skills

Programming Languages: Java, Python, C, C++.

Frameworks and Tools: Vim, Git, Tkinter, Postman.

Database Management: SQL, Firestore, Google Firebase.

Core Competencies: Data Structures, Algorithms, Operating Systems, Cloud Computing, Internet of Things (IoT), DBMS.

Projects

QuickCart E-commerce Software

github.com/nehalmr/QuickCart

- Developed an intuitive e-commerce platform using the Tkinter library for a user-friendly interface.
- Enhanced GUI with custom Tkinter libraries for modern design elements.
- Integrated Google Firebase for efficient data storage and management.
- Implemented JSON parsing for streamlined data processing.
- Secured platform authentication with JWT technology.

IoT Healthcare Module

github.com/nehalmr/HealthPod

- Designed an IoT healthcare module for real-time monitoring of vital signs using ESP8266 and sensors.
- Programmed device functionality with C++ and integrated data storage with ThingSpeak.
- Built an intuitive user interface using Flutter.
- Tested API integrations with Postman for seamless performance.

Awards

- Participation: ISRO Robotics Challenge, URSC 2024.
- Participation: Smart India Hackathon (SIH) 2023.
- Participation: Avishkar Zonal Level Competition 2023-24.
- 2nd Place: International ROC RoboAnalyzer Competition, SVR Robotics, IIT Delhi 2024-25.
- 1st Place: IBM Qiskit Fall Fest Quiz Competition 2024-25.
- 3rd Place: IBM Qiskit Fall Fest Hackathon 2024-25.