

# NAGUMOTHU PAVAN KUMAR

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## Summary

I am Pavan Kumar. I'm pursuing bachelor degree in computer science engineering specialized in IoT from SRM. I have being a consistent performer all through by academics. I have clean interest to update my coding skills. I strongly believe i have behavior skills and this is all about me.

## Education

### SRM INSTITUTION OF SCIENCE AND TECHNOLOGY

B.Tech · Computer Science And Engineering · Chennai

Jun 2022 - May 2026

9.22 GPA

### OXFORD JUNIOR COLLEGE

12th · BIEAP · Narasaraopet, Andhra Pradesh

Jun 2020 - Apr 2022

Marks - 901/1000

### ST JOSEHP'S HIGH SCHOOL

10th · SSC · Narasaraopet, Andhra Pradesh

Jun 2019 - Apr 2020

Marks - 593/600

## Projects

### Real Time Hazardous Gas Detection And Safety Alert System

IEEE · MQ Sensor, ESP8266

Jan 2025 - Present

Internet Of Things

- Developed an IoT-based hazardous gas detection system using MQ series sensors and an ESP8266 microcontroller.
- Detected hazardous gas leaks with IoT system, triggered instant mobile alerts which reduced potential environmental damage by 15% and minimized health risks for 200+ workers in the area.
- Configured threshold-based alerting system, achieving 99.99% accuracy in mobile notifications for hazardous gas detection while minimizing false positives to less than 0.01% with thorough testing.

### Health Flow Nexus

University · Kotlin, XML, Firebase Firestore, Firebase SDK

Jan 2024 - May 2024

Healthcare Technology

- Engineered an Android app named Health Flow Nexus that securely connected over 1,500 patients with healthcare providers, reducing patient wait times for appointments by 40% and enhancing overall satisfaction ratings.
- Used Kotlin, XML, and Firebase for authentication and database management. The project focused on making healthcare access easier, safer, and more organized with real-time data handling

### ONLINE BUS RESERVATION

University · Python(Pandas)

Jun 2023 - Dec 2023

Python

- Designed an easy-to-use online bus ticket reservation system that makes booking faster and more convenient.
- It allows users to choose seats, check schedules, and make secure payments from their phones or computers, improving the overall travel experience.

## Certifications

### Coursera Certificate | [Link](#)

Coursera

Oct 2024 -

### HackerRank Certificate | [Link](#)

HackerRank · 1F7CC180C6BF

Apr 2024 -

### HackerRank Certificate | [Link](#)

HackerRank · 4C06C5671D95

Apr 2024 -

### HackerRank Certificate | [Link](#)

HackerRank · 58547EAC61BE

Oct 2023 -

## Volunteering

### INTBOT

Jan 2024 - Feb 2024

Volunteer

- I volunteered at INTBOT from January to February 2024, helping with event coordination and team support.
- It was a great opportunity to contribute, meet new people, and learn how things work behind the scenes in organizing tech-related events.

## Competitions

### SPARK CLUB

Sep 2023

RUNNERS

- We came second in a competition held by SPARK Club in September 2023.
- It was a great experience where we worked as a team, tackled challenges, and learned a lot along the way.

### Maths Quiz

Oct 2022

3rd position · Reasoning

## Extra Curricular Activities

### COMMUNITY SERVICE | [Link](#)

Jun 2024 - Jul 2024

- Completed Community Service for four weeks and taught about the present technologies.

## Skills

**undefined:** C++, MYSQL, Python, Java, Java Script

## Languages

Telugu [Native Proficiency], English [Professional Working Proficiency], Hindi [Elementary Proficiency], Tamil [Elementary Proficiency]

## Links

[LinkedIn](#), [GitHub](#)