

ALOK PRASAD

Chennai, Tamil Nadu, India

☎ 8887685835

✉ prasadalok705@gmail.com

🌐 [linkedin.com/in/alok705](https://www.linkedin.com/in/alok705)

🐙 github.com/techyalok

Education

SRM Institute of Science and Technology

Bachelor of Technology in CSE, GPA: 9.2

Sep. 2021 – Sep. 2025

Chennai, Tamil Nadu

Lucknow Public School, Southcity

Grade 12, Percentage: 75%

April 2018 – April 2020

Lucknow, Uttar Pradesh

Lucknow Public School, Southcity

Grade 10, Percentage: 87%

April 2017 – April 2018

Lucknow, Uttar Pradesh

Experience

SRM Next Tech Lab

Associate, Tesla Lab and Norman Lab

Nov 2022 – Present

Chennai, Tamil Nadu

- Tesla Lab, domain deals with IoT and embedded systems. Currently, working on an IoT project, using the lab resources by being collaborated with like-minded colleagues.
- Norman Lab, domain deals with Mobile App and Web Development. Dedicatedly exploring Android Development, acquiring new skills and knowledge to build innovative mobile applications.
- Proactively participated in enriching seminars hosted by the Next Tech Lab, fostering continuous learning and technological awareness.

SRM Team Robocon

Member, Spaced

April 2021 – June 2021

Chennai, Tamil Nadu

- SPACED-Coding domain, tasked with coding for Arduino hardware using IDE and validating functionality through hands-on implementation.
- Explored Arduino tools for embedded systems, showcasing proficiency through successful project implementations.
- Demonstrated adaptability by seamlessly integrating with diverse teams and adapting to different work styles.

Projects

Smart Dustbin | C++, Arduino IDE, Ultrasonic Sensor, Arduino Uno

Feb. 2019

- * Designed and programmed an intelligent Smart Dustbin that detects proximity using Sensor and opens automatically for hands-free waste disposal, to promote sustainable waste management.
- * Demonstrated Smart Dustbin (part of Ideal Society Model) at CBSE technology exhibition, received positive feedback from visitors and potential stakeholders, also got selected for National Level.
- * Conducted extensive testing and calibration to ensure accurate and reliable distance for seamless operation.

Bank Management System | C++, CLion

June 2022

- * Developed a robust Bank Management System to efficiently handle customer accounts, transactions, and database.
- * Implemented object-oriented programming principles to create a user-friendly and secure Bank Management System.
- * Utilized file handling techniques in C++ to maintain accurate and organized records of customer information and financial transactions.

Fire Alarm System | C++, IR Sensor, Arduino Nano

March 2023

- * Developed a sophisticated Arduino-based Fire Alarm System that triggers an instant response, activating a loud buzzer and prominent LED indicators upon detecting fire.
- * Incorporated advanced features into the Fire Alarm System, enabling it to autonomously initiate an SOS call to the fire police through the integrated sim800l module.
- * Continuously enhancing existing functionality and adding new ones to improve the Fire Alarm System.

Technical Skills

Languages: C, C++, Java, Kotlin

Developer Tools: Arduino IDE, CLion, IntelliJ IDEA, Android Studio, VS Code

Technologies: MacOS, TinkerCad, Internet of Things, WordPress, Linux

Video Editing Tools: Adobe Premiere Pro, Canva, FilmoraX, Movavi, iMovie

Achievements

- 🏆 **Codechef** : Rating: 1093 | Solved over 161 problem
- 🏆 **HackerRank** : 5 ☆ in C++