# Shantanu Ramanujapuram

# +91 8637643053 | shantanuramanujapuram@gmail.com | Chennai, Tamilnadu

# Summary

**As of Aug 2023:** I am a student studying electronics and communications engineering. Experienced hobbyist programmer since 2018 having worked with Python, C# and JavaScript. Currently pursuing mobile app development with React Native, CAD Modelling in Fusion 360 and basic electronics.

# Education

## The PSBB Millennium School Gerugambakkam | Chennai, Tamilnadu

Computer Science and Mathematics Stream | 2007-2022

**Achievements**

* **Quiz Club Secretary 2019-2021**
* **Debate Club Vice President 2020-21**
* **Debate Club President 2021-22**

## SRM Institute of Science and Technology Ramapuram | Chennai, Tamilnadu

Electronics and Communications Engineering | 2022-2026

* **CodeChef SRM RMP Development Team Nov 2022 – Aug 2023**

# Skills

**Development:** JavaScript, NodeJS, ReactJS, Django, REST API on MongoDB and Atlas, http servers and routing using express, axios and flask, HTML/CSS and hosting on MongoDB Atlas, embedded driver development on STM32 and core programming using C on IOT devices raspberry Pi and Arduino.

**Programming :** Python, C#, MS-batch and PowerShell Automation

# Projects

[**Hydrocarbonator**](https://github.com/ShanTen/hydrocarbonator) **:** SMILES is one of the most used chemical notations for organic and inorganic chemical compounds thus created an interpreter to name single chain organic compounds.

[**CC\_parser**](https://github.com/ShanTen/CoordinateCompoundNaming) **:** An interpreter to parse and analyze coordinate compounds denoted in complex bracket forms. Uses common notations to provide oxidation number according to ligands. Ligands can be user defined as well.

[**Tarang Bot**](https://github.com/ShanTen/TarangBot) **:** A discord software bot made using JavaScript and hosted on a Raspberry Pi to handle a multi-school event. Handled 200+ registrations, announcements, and administrative functions along with user a custom configuration option for any google sheets file and general compatibility for any discord server.

[**IoT Camera System**](https://github.com/ShanTen/Hawkeye) **:** IoT-based safety camera system designed to enhance user safety.  
The camera is split into two parts - a client for a Raspberry Pi and a server side with a messaging service for WhatsApp.

# Extra-Curricular

* Hindu Young world 2018 Chennai City level winner
* Times Science Quiz 2018 Chennai city winner
* Murugappa – Madras Quotient Quiz 2019 Finalist
* Winner Questa 2018 Inter millennium Quiz
* The Cue by Bharatiya Vidya Bhavan Rajaji Vidyashram – 2022
* Winner Pradarshini General Quiz – 2023