NAME	: **PRAVEEN J**
ID NO	: **21L235**
DEGREE	: Bachelor of Engineering (B.E)
BRANCH	: Electronics and Communication Engineering
COLLEGE	: PSG College of Technology, Coimbatore
LINKEDIN	: www.linkedin.com/in/praveen-joseph-09755423b

FATHER'S NAME	: JOSEPH B
GENDER	: Male
DATE OF BIRTH	: 22nd JULY 2004
LANGUAGES KNOWN:	Read: English, Tamil
	Write: English, Tamil
	Speak: English, Tamil
EMAIL	: praveenjoofficial05@gmail.com
MOBILE	: +91 9750587324

PERMANENT ADDRESS:
18, Sathy
Road, Annur,
Coimbatore,
PIN: 641653

ACADEMIC RECORD

Course	Institution	Board/ University	Completion By	Marks (%) /CGPA
B.E ECE	PSG College Of Technology, Coimbatore	Anna University	2025	8.43*
XII	AAMG Govt Hr Sec School Annur	State Board	2021	93.69
X	AAMG Govt Hr Sec School Annur	State Board	2019	95.4

*CGPA till 6th Semester

Semester	I	II	III	IV	V	VI
CGPA/ 10	7.70	7.95	8.29	8.41	8.40	8.43

AREAS OF INTEREST

- Programming
- RDBMS
- Operating Systems
- OOPs
- Data structures and Algorithms

SKILL SET

Languages	C, C++, Python, SQL
Platforms	Windows
Software Tools	MySQL developer tool, Visual Studio Code.

ACADEMIC PROJECTS

1. **RAILWAY RESERVATION SYSTEM:**

   Developed a comprehensive Railway Reservation System using a Relational Database Management System (RDBMS) to facilitate efficient management of train schedules, reservations, and customer information. The system ensures streamlined operations for booking, canceling, and modifying reservations, while maintaining data integrity and security. *[MySQL, Python]*

2. **AUTOMATIC OBSTACLE DETECTION ROBOT:**

   Implemented in Arduino microcontroller. It has ultrasonic sensor for detection, motor driver for controlling the speed and Arduino. Based on left wall algorithm this robot has been developed and the speed of the robot has been controlled by the rotation of the wheel using Arduino IDE software. *[Microcontrollers]*

3. **MOTOR FAULT DETECTION USING SOUND SIGNATURE ANALYSIS AND WAVELT TRANSFORM:**

   Induction motors are vital in modern industries, necessitating preventive maintenance and early fault detection to ensure reliability. A wavelet algorithm in MATLAB, using parameters like dynamic range, Fourier Transform, and spectrum average, processes real-time motor sounds for error identification. The TMS3206748 signaling processor handles real-time processing. Errors are detected by comparing calculated values with a set threshold, triggering an alarm if discrepancies are found. *[MATLAB, Code composer studio, TMS320C6748, Signal Processing]*

CO-CURRICULAR ACHIEVEMENTS

- Presented a paper presentation on the topic **"SMART ENERGY MANAGEMENT SYSTEM BY OPTIMIZING THE ENERGY UTILIZATION IN ELECTICAL APPLIANCES"** conducted by CIT college of Technology, Coimbatore.

- Won **1st place** in **INNOVATEX** - a technical event under **KRIYA 2024** conducted by the STUDENTS UNION, PSG College of Technology in February 2024.

- Won **3rd Place** in **INNOVATION PRACTICES LABORATORY** conducted by Electronics and communication Engineering department, PSG College of Technology, Coimbatore.

- Participated in **Robo Craze Grand Challenge** and was selected for the pre-final round which was conducted by KRIYA, Students union PSG college of Technology,Coimbatore.

- Participated in **NEXTECH,** a one-day Hackathon under **KRIYA 2024** and secured 8th position which was conducted by Students Union, PSG college of Technology, Coimbatore.

EXTRA-CURRICULAR ACTIVITIES

- **HEAD** - Logistics Team of IEEE Students Chapter 12951, PSG College of Technology.
(April 2024 – Present)

- Served as the **IN-CHARGE** for the non-technical event **LOST ARCHIVES** in **ATOM 2K24**, an Intra-College technical symposium conducted by the IEEE Students Chapter 12951, PSG College of Technology in March 2023.

- Served as an **EXECUTIVE MEMBER** of IEEE Students Chapter 12951**,** PSG College of Technology for theacademic year 2022-2023.

- Served as a **CLASS REPRESENTATIVE** for one semester in theacademic year 2022-2023.

- Volunteered in the **TECHNOTRONZ'24**, an Inter-college technical symposium conducted by the IETE Students Chapter, PSG College of Technology in March 2024.

- Conducted **BOARD OF WAR** – a Gaming event under **SRISHTI 2K23**, an Inter-College technical symposium conducted by the IEEE Students Chapter 12951, PSG College of Technology in October 2022.

- Conducted **THE LOST FORTUNE** – a Non-Technical Event under **ATOM 2K23**, an Intra-College technical symposium conducted by the IEEE Students Chapter 12951, PSG College of Technology in March 2023.

- **NSS VOLUNTEER** – Participated in **ONE DAY** camps and a **7-DAY CAMP** organized by NSS PSG College of Technology.

- Participated and won **1ˢᵗ** and **4ᵗʰ** place in "**INTRAMURALS KHO-KHO**" conducted by Physical Department of the college in the year 2022 and 2023 respectively.

- Participated in **"MAZE RUNNER"**, an event conducted as a part of **KRIYA 2K23,** conducted by Students Union, PSG College of Technology.

DECLARATION

     I, **PRAVEEN J**, do hereby confirm that the information given above is up to date and true to the best of my knowledge.

Place: COIMBATORE
Date: 31.07.2024

J. Praveen

(PRAVEEN J)