

NAME : DINESH B
ID NO : 19L112
DEGREE : Bachelor of Engineering
BRANCH : Electronics and Communication Engineering
COLLEGE : PSG College of Technology, Coimbatore



Father's name	BALASUBRAMANIAM R	Permanent Address 2/304.1, Ugayanur road, NN Pudhur, Pongalur (PO), Palladam (TK), Tiruppur (DT), Tamil Nadu - 641667
Gender	Male	
Date of Birth	19 th MAY 2002	
Languages known	Read: English, Tamil, Hindi, French. Write: English, Tamil, Hindi, French. Speak: English, Tamil, Telugu.	
Email	b.dinesh1905@gmail.com	
Mobile	+91 8675577199	
LinkedIn Id	www.linkedin.com/in/dineshbala19	

ACADEMIC RECORD

Course	Institution	Board/ University	Completion By	Marks (%)
BE ECE	PSG College of Technology, Coimbatore.	Anna University	2023	9.45
XII	Veveaham Matric Hr. Sec. School, Dharapuram, Tirupur.	State Board	2019	96.83
X	Kannammal National Matric Hr. Sec. School, Palladam, Tirupur.	State Board	2017	98.6

Semester	I	II	III	IV	V	VI	VII	VIII
CGPA / 10	9	9.32	9.55	9.50	9.47	9.49	9.48	9.45

AREAS OF INTEREST

- Programming
- Analog Electronics
- Control Systems
- Embedded Systems & VLSI Design
- Event Planning and Management

SKILL SET

Languages	C, Python, C++
Platforms	Windows, Linux (Basics)
Tools	MS Office, Multisim, Matlab, Keil μ vision, Tanner EDA, Xilinx, ADS

ONLINE COURSES

- Completed the course **PCB Architecture and Design** on **Cisco thingQbator**.
- Completed the course **PCB Designing in Altium Designer** on **Udemy**.
- Completed the course **Java Programming: Solving Problems with Software** on **Coursera**.
- Completed the course **Front end Development – HTML, CSS** on **Great Learning**.
- Completed a **Virtual Workshop** on **Data Science using Python**.

PROJECTS

SMART IRRIGATION SYSTEM

This project aims at reducing irrigation water waste. The irrigation of a field can be controlled through a mobile app by choosing the flow rate of water. LabVIEW pulls that data from the Firebase, which the app sends to the app. As a result of that value, the servo motor speed varies, and therefore the irrigation tap opens from any location.

WATER LEVEL DETECTOR

Water level indicators are systems that transmit information to a control panel to indicate whether a body of water is high or low. Water levels are indicated by three levels: low but not empty, half full but not overflowing, and an alarm is triggered by the buzzer.

PLANT LEAF DISEASE DETECTION

A real-time technique for detecting corn leaf disease based on deep convolutional neural networks to extract features, analyze patterns, and accurately diagnose three common diseases of corn leaves: gray spot, leaf spot, and rust., and the performance can be increased by altering the pooling combinations and hyper-parameters with an API displaying the remedies for a variety of classified diseases.

ABSTRACTIVE TEXT SUMMARIZATION USING NLP AND TRANSFORMER

Abstractive text summarization using NLP and Transformer involves the use of natural language processing techniques and transformer-based models to generate concise and coherent summaries of textual content. The approach utilizes techniques like attention mechanisms and sequence-to-sequence models to understand the context of the input text and generate a summary that captures the key information and main ideas of the original content.

INTERNSHIPS

SAMSUNG PRISM (6 months)

A virtual internship offered by Samsung Prism provides opportunity to develop an AI_ML based Alarm Correlation where the system correlates various streams of data from Access, Core and Transport networks and correlate events together and provides real-time root cause analysis and remediation to operations to automatically resolve issue. [AI/ML, Apache Kafka (Stream), Apache Spark (Analytics), Apaches Ignite (ML)].

BOSCH GLOBAL SOFTWARE TECHNOLOGIES (2 months - Summer Intern)

Bosch Global Software Technologies, Coimbatore, offered a two-month offline internship which provides opportunities to learn about the basic working of the Electric Vehicles, especially Inverters and its types and communication within the parts. Later, provided a chance to simulate the test automation and the validation of ECUs using ECU-TEST tool.

BOSCH GLOBAL SOFTWARE TECHNOLOGIES (4 months)

During my four-month internship at BGSW, I focused on ECU (Electronic Control Unit) test tools and Python programming for COM-Testing in electric vehicle (EV) inverters. I acquired practical knowledge by actively using ECU test tools to assess the effectiveness and operational capabilities of EV inverters. Additionally, I leveraged Python programming to develop automated test scripts for communication testing, ensuring efficient and reliable evaluation of the inverters' communication capabilities.

ACADEMIC ACHIEVEMENTS

- Won overall 3rd in **Mathematics Ability Test** conducted by **RAM**.
- Second prize in **360** conducted by **Ramanujan Association of Mathematics**.
- Third prize in **X-Ecutors** conducted by **Ramanujan Association of Mathematics**.
- Won **First Prize** in **Hackomania 2021** conducted by Vellore Institute of Technology.
- Won **Second Prize** in **MathMagic** during **KRIYA 2021** conducted by PSG College of Technology.
- **First prize** in **Ideocon** conducted by **National Service Scheme**.
- **Second prize** in **Techsonance** during Decibels conducted by **ECE Association**.
- **Second prize** in **Technova** during Decibels conducted by **ECE Association**.
- Participated in **SRISHTI 2k21** conducted by **IEEE**.
- Winner in **IDEACON, idea presentation event** conducted by **NSS**.
- Participated in **ASTRO QUIZ** conducted by **Astronomy Club**.
- Runner in **PHYSICATHON** conducted by **Applied Science Association**.
- Participated in **CAT-A-THON 2021** conducted by **Caterpillar**.
- Participated in **EXPLORATA** conducted by **Sir CV Raman Association of Physics**.
- Participated in **Techie WIZARD** in **KRIYA 2021**.
- Participated in **EPICOINONIA** conducted by **BIT - FEST**.
- Participated in **Q - RIOSITY** conducted by **IEEE**.
- Attended a Webinar on **Smart Agriculture using IoT** conducted by **ASTRA - NSS**.

EXTRA-CURRICULAR ACTIVITIES

- Participated in **Reliance Quiz-a-thon 6.0** organized by **Reliance Industries Limited (RIL)**.
- Participated in **Technosys - A Tech and Innovation Quiz** of **IGNITION 2021** organized by **SVKM's Narsee Monjee Institute of Management Studies (NMIMS), Bengaluru**.
- Served as an **Executive member** and later **Design Team Head** of **Youth Outreach Club, PSG College of Technology**.
- Served as an **Executive member** and later **Co-secretary** in **Higher Education Forum, PSG College of Technology**.
- Served as an **Executive member** in **Paathshala Club, PSG College of Technology** for the academic year 2020-2021.
- Served as a **Volunteer** in **Animal Welfare Club, PSG College of Technology** for the academic year 2020 to 2021.

- Serving as a **Volunteer** in **National Service Scheme, PSG College of Technology** for the academic year 2019 to 2022.
- Serving as a **Volunteer** in **IEEE Students Chapter - 12951, PSG College of Technology** for the academic year 2021 to 2022.
- Serving as an **Executive Member (Technical Chamber)** in **Animal Welfare Club, PSG College of Technology** for the academic year 2021 to present.
- Serving as an **Executive Member** in **CAP & Nature Club, PSG College of Technology** for the academic year 2021 to present.
- Convened **Coder's Crusade** – a coding event in Srishti 2021, Technical Symposium.

DECLARATION

I, DINESH B, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore

Date: 09/05/2023

(Dinesh B)

B. Dinesh