

# DINESH R

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## PROFESSIONAL SUMMARY

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Computer Science Engineering student at Vellore Institute of Technology, skilled in JavaScript, Python, Java, C++, and C. Proficient in Flutter for mobile app development, web development with practical experience in machine learning using TensorFlow and data handling with Firebase and MySQL. Currently a training intern at Samsung PRISM.

## SKILLS

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- **Programming Languages:** C, C++, Python, Java, JavaScript
- **App Development:** Flutter, Riverpod
- **Machine Learning:** NumPy, Pandas, TensorFlow, Matplotlib, Scikit-learn
- **Design:** Figma (Basics), Canva
- **Web Development:** React.js, Express.js, Node.js, Flask, Bootstrap, HTML, CSS
- **Databases:** Firebase, MySQL, MongoDB
- **Version Control and other tools:** Git, Github, Postman

## EXPERIENCE

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<b>Project Training Intern, Samsung PRISM</b>	<i>June 2024 – Present</i>
<b>CNS Training Intern, Airports Authority of India (AAI)</b>	<i>June 2024 – July 2024</i>
<b>Vice President, Newton School Coding Club VITC</b>	<i>July 2024 – Present</i>
<b>Marketing and Sponsorship Lead, CodeChef VIT-C Student Chapter</b>	<i>April 2024 – Present</i>

## EDUCATION

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<b>Bachelor of Technology (Computer Science)</b> Vellore Institute of Technology, Chennai	<i>September 2022 - June 2026</i> <b>CGPA 9.39*/10</b>
<b>Class 12<sup>th</sup> - CBSE</b> Velammal Vidhyashram	<i>April 2021 – June 2022</i> <b>Percentage – 94.6%</b>
<b>Class 10<sup>th</sup> - CBSE</b> Velammal Vidhyashram	<i>April 2019 – March 2020</i> <b>Percentage – 93%</b>

## PROJECTS

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### Online Marketplace for Farmers and Consumers using Flutter

- Developed a multi-login system with role-based access for farmers to list products and consumers to browse, view, and negotiate directly.
- Integrated Firebase Firestore for real-time product listings and negotiations, and Firebase Authentication for secure logins.
- Built a user friendly interface for product management, price negotiations, and seamless transactions.

### Anemia Predictor Web Application

- Developed a ML model that follows the Gradient Boosting Classifier (classification) algorithm
- Built a responsive web-application using HTML, CSS and Flask.

### Noted! – Notes Application

- Developed a web-based notes application with a React.js and Tailwind CSS frontend for responsive user interface.
- Built a robust backend using Express.js and Node.js, ensuring efficient handling of requests and smooth performance.
- Integrated MongoDB for dynamic note storage, allowing users to create, update and delete notes.

### Arduino based Water Filtration System

- Constructed an Arduino based system containing several sensors and relay module.
- Developed a GUI with MATLAB, depicting the level of water, purity of water and the moisture content.