

DILIP RAVIKUMAR

ABOUT ME

A passionate engineering student. Fascinated by the intersection of technology and engineering and how it can be used to solve real-world problems. I'm constantly exploring new ways to apply my skills and knowledge to create innovative solutions. When I'm not studying, I enjoy attending hackathons, as well as building and testing new software applications.



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EDUCATION

Program	Institution/Board	%/CGPA	Year
B.tech in Information Technology	Saranathan College Of Enginnering, Trichy.	8.351/10	2021-2025*
Class XII	Chellammal Matriculation Higher Secondary School, Trichy.	76.52%	2021
Class X	RSK Higher Secondary School, Trichy.	66.0%	2019

COURSES AND TOOLS

- **Courses:**
 - HTML,CSS,JavaScript programming from Udemy.
 - Crash course on python from Coursera.
 - Introduction to cloud computing from Coursera.
 - Using python to interact with the operating system from Coursera.
 - Responsive Web design from freeCodeCamp.
- **Languages:** C, Python, HTML, CSS, Javascript, React, Java.
- **Tools:** Figma, Ms Office(Word, Powerpoint, Excel), Arduino IDE, Illustrator, Vscode, Linux.

PROJECTS

Smart Attendance System using Raspberry Pi (python):

The Raspberry Pi-based Smart Attendance System utilizes Python and facial recognition to automate attendance tracking. Integrated with a camera, it captures and analyzes faces in real-time, providing a streamlined and accurate alternative to manual attendance processes for organizations and educational institutions.

Web3 Twitter app:

Revolutionizing social media, the decentralized Web3 Twitter app operates on blockchain, guaranteeing data security and resisting censorship. Users enjoy token-based incentives, fostering a decentralized experience with ownership of data and transparent communication.

Raspberry Pi Object Detection System:

Engineered a compact object detection system on Raspberry Pi using Python and OpenCV, optimizing for real-time performance. Integrated with the Raspberry Pi camera module, the solution excels in resource efficiency, making it ideal for edge computing applications such as surveillance and IoT projects.

Firebase-React Chat Application:

Architected and implemented a real-time chat room application using React and Firebase, seamlessly integrating Firebase Authentication and Firestore for secure user authentication and dynamic message storage. Engineered responsive and intuitive UI components, ensuring a smooth and engaging chat experience for users.

UI Designs:

Produced impactful and visually compelling UI designs for a diverse array of shop webpages showcasing a keen eye for aesthetics and user-centric interfaces. Leveraged creativity and industry best practices to deliver engaging designs that enhance user experience across various applications and platforms.

FIELD OF INTEREST

- Software Development
- UI/UX
- Data Structure
- Web Designing
- Mobile app development
- Raspberry Pi
- IOT

ACHIEVEMENTS

BRAIN TEASER-FIRST PLACE *(MARCH-23)*

K. RAMAKRISHNAN COLLEGE OF TECHNOLOGY.

CODE DEBUGGING- SECOND *(MARCH-23)*

K. RAMAKRISHNAN COLLEGE OF ENGINEERING.

PAPER PRESENTATION -THIRD PLACE *(JAN-23)*

IT ASSOCIATION SARANATHAN COLLEGE OF ENGINEERING.

MINI PROJECT -FIRST PLACE *(MAY-23)*

IT ASSOCIATION SARANATHAN COLLEGE OF ENGINEERING.

FIX IT FRENZY - THIRD PLACE *(APR-23)*

IEEE STUDENT BRANCH JEPPIAAR ENGINEERING COLLEGE.

PROJECT PRESENTATION, FIGMA SPARK- SECOND PLACE *(SEPT-23)*

CHENNAI INSTITUTE OF TECHNOLOGY

IDEATHON, UI/UX -SECOND PLACE *(OCT-23)*

CARE COLLEGE OF ENGINEERING

PROJECT EXPO-FIRST PLACE *(SEPT-23)*

SNS COLLEGE OF ENGINEERING

WEB-DESIGNING - SECOND PLACE *(SEPT-23)*

SNS COLLEGE OF ENGINEERING

EXTRA-CURRICULAR ACTIVITIES

- Table Tennis Zonal Winner-2019.
- Table Tennis Zonal Winner-2022.
- Organized Web Designing contest (Inter college event).