

# DHIVYADHARSHINI KARUNAKARAN

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## EDUCATION

<b>Sri Sairam Engineering College</b>	<b>2020 – Present</b>
B.Tech Computer Science and Business Systems	GPA – 84%
<b>St. Dominic's Anglo Indian Higher Secondary School</b>	<b>2019 – 2020</b>
Higher Senior Secondary	GPA – 63%
<b>St. Dominic's Anglo Indian Higher Secondary School</b>	<b>2017 – 2018</b>
High School	GPA – 89%

## PAPER PUBLICATIONS

### Issued by International Conference on Power, Energy, Control and Transmission Systems (ICPECTS) - 2022

- Paper Title: Roll Call Tracking System for Education Sectors Using Face Recognition System.
- [Link to Paper](#)

### Issued by International Conference on Circuit Power and Computing Technologies (ICCPCT) - 2023

- Paper Title: Assessment of Student Attentiveness in Classroom Environment Using Deep Learning.
- [Link to Paper](#)

## ACADEMIC PROJECTS

### Roll Call Tracking System for Education Sector using Face Recognition Systems - 2021

- **Designed and developed** an innovative Automated Roll Call Tracking System for educational institutions, revolutionizing attendance management with state-of-the-art facial recognition technology.
- **Successfully implemented** the system, resulting in increased efficiency, accuracy, and security in attendance tracking.
- **Collaborated** with a multidisciplinary team to ensure seamless integration of facial recognition technology into the educational environment, providing a user-friendly solution for both students and educators.

### Assessment of Student Attentiveness in Classroom Environment Using Deep Learning - 2022

- **Pioneered a Deep Learning-based solution** for assessing and analyzing student attentiveness in a classroom setting, contributing to more effective teaching and learning processes.
- **Developed and fine-tuned** a sophisticated algorithm that can identify and evaluate student engagement levels, providing valuable insights for educators.
- **Demonstrated the potential of Deep Learning** to improve educational outcomes by enhancing the understanding of student behavior within the classroom.

### Automatic weighing and packing of explosives - 2023

- **Engineered and implemented** an automated weighing and packing system for explosives, significantly enhancing safety, precision, and efficiency in the explosives packaging process.
- **Designed and integrated advanced security measures** to ensure the highest level of safety during the packaging process.
- **Contributed to a critical aspect of the explosives industry** by introducing an innovative solution that reduces human error and minimizes risks associated with explosives handling.

## WORK EXPERIENCE

### Java Intern, Poxel Indonesia - 2022

- **Collaborated** with a diverse team to develop and maintain Java-based applications, gaining hands-on experience in software development.
- **Assisted** in debugging and troubleshooting software issues, which improved the overall system performance and user experience.
- **Contributed** to the design and implementation of new features, enhancing the functionality of the applications.

### Front-End Developer (Web Application) Intern, 8Queens Software Technologies Private Limited - 2023

- **Played** a key role in the development of web applications by creating responsive and user-friendly front-end interfaces, resulting in improved user engagement and satisfaction.
- **Worked** closely with the development team to implement innovative design concepts and ensured seamless integration of the front-end with back-end systems.
- **Conducted** thorough testing and quality assurance procedures to identify and address issues, guaranteeing the high performance and reliability of web applications.

## AWARDS AND RECOGNITIONS

- **Received** the Best Paper Award at the International Conference on Power, Energy, Control and Transmission Systems (ICPECTS) for the paper titled "Roll Call Tracking System for Education Sectors Using Face Recognition System."
- **Achieved** the Best Paper Award at the International Conference on Circuit Power and Computing Technologies (ICCPCT) for the paper titled "Assessment of Student Attentiveness in Classroom Environment Using Deep Learning."
- **Selected as one of the finalists** for the High Powered Selection Committee Presentation of IDEX Disc #6 Defence Innovation Organization, outperforming over 200 teams.
- **Earned** an Appreciation Award from Sri Sairam Engineering College in recognition of outstanding contributions.

## SKILLS

**Languages:** Tamil – Fluent, English – Fluent, Hindi – Intermediate, German - Beginner

**ICT Skills:** Java, Front-End Development, C, SQL, Power BI, UI/UX Design, Database Management

**Certifications:** Java Fundamentals – Oracle, CSS - Spoken Tutorial, JavaScript - Spoken Tutorial, PHP and MySQL - Spoken Tutorial, Arduino - Spoken Tutorial, Machine Learning Model Development using Flask - Great Learning, Software Testing - NPTEL, Computer Networks and protocol - NPTEL.