

# KIRUTHHIK A S

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## SKILLS

### Programming Languages

- Java
- Python
- C

### Frontend

- HTML
- JavaScript
- CSS
- Bootstrap

### Backend

- Django
- Django Rest
- Flask

### Database

- MySQL
- PostGIS
- PostgreSQL
- Firebase

### Version Control

- Git
- GitHub

## CERTIFICATIONS

- [CS50x](#)
- CS50 Web Programming with Python and JavaScript

## ACHIEVEMENTS

- Winner of National level hackathon **HACKNOVA 2025** held in SRM University
- Secured Top 5 in Tamilnadu innovation challenge 2024 held at iTNT.
- **Hackfest 2024** Finalist. Placed 4th among 2500 teams, conducted by SAP
- **SIH 2024** Finalist under ISRO's problem statement .Among Top 50 teams out of 3000 teams.

## EXTRA CURRICULAR ACTIVITY

- Led a team to build a OD management system for our department
- Part of Rajalakshmi Engineering College NCC army wing

## SUMMARY

A software enthusiast who is eager to learn and explore new domains. To grow and develop my skills in a collaborative environment. To learn the growing trends and technologies and to contribute for the development of an organization

## EDUCATION

<b>B.E Computer Science Engineering</b>	2022-2026
Rajalakshmi Engineering College	7.95 CGPA
<b>HSE - Computer Science and Maths</b>	2020-2022
Sai Matriculation School	95%
<b>Secondary School Education</b>	2019-2020
Sai Matriculation School	98%

## PROJECTS

### Online IPL Auction [\[LINK\]](#)

- Module 1: Django-based real time bidding system for cricket players in a time bound round-robin format.
- Scheduled Auctions: Auctioneers select pool of players and franchises for timed events triggered at scheduled time.
- Module 2: Marketplace System - franchise asynchronously bid for players who listed themselves in the auction.
- Dynamic / non-sequential: Unlike real time auctions, franchises can bid for any player independently at any give time before the auction deadline.

### BIPV - Building Integrated Photo-Voltaic [\[LINK\]](#)

- Developed a tool for assessing Building Integrated Photovoltaic (BIPV) potential using LOD-1 3D city models.
- Visualized solar energy potential for building surfaces, estimating rooftop PV and vertical BIPV energy potential.
- Backend Development: Built a robust API in Django to handle geospatial data and computations.
- Database: Utilized PostGIS for efficient geospatial data queries and storage.

### OD-Management System [\[LINK\]](#)

- Developed an OD Management System for 300+ students with role-based workflows; loaded student, faculty, and timetable data via Django commands, enabling OD-aware attendance and real-time request tracking with teammate support.
- Led a 4-member team building a React + Django-based platform; designed the database schema and built RESTful APIs supporting team events and dynamic OD processing tied to class timetables.

### Mail [\[LINK\]](#)

- Designed a Single page Application using javascript for an email client that makes API calls to backend Django framework to send and receive emails.