

# SANJAIKUMAR. P

BACKEND DEVELOPER | +91-7598335717 | pajany-sanjaikumar@gmail.com

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## SKILLS

- **Technical:** Java, Python, C, Algorithms, SQL, NoSQL, Spring, API development, MySQL, MongoDB, Data structures, HTML, CSS, Apache Echarts, Problem solving in leet-code, Basic networks, MQTT.
  - **Other interests:** Artificial Intelligence, Machine learning, Data science, Cyber-security.
  - **Non-Technical:** Google Docs, Sheets, Slides, Canva, Badminton, Shooting.
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## EDUCATION

### Master's degree in Computer Science (Integrated):

Pondicherry University | Puducherry | GPA: 7.36 | June - 2024

- Modules including but not limited to: Algorithms, Data Structures, Advanced Database systems, Maths, Statistics, Networks, Operating systems, Object Oriented Programming, Web technology.
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## RELEVANT EXPERIENCE

### Axcend Automations and Software Solutions Pvt. Ltd. - INTERN

Backend Intern with python and MySql.

- Developed a comprehensive fertiliser storage tank automation system, incorporating a four-stage alarm system based on real-time sensor data for enhanced safety and timely response to tank levels.
- Implemented SQL database integration for continuous data logging and streamlined record-keeping, while leveraging MQTT protocol for real-time monitoring of fertiliser tank levels on a web interface.
- Developed a reports page using Apache echarts to display the data fetched from MongoDB using Aggregation pipelines.

### Smart India Hackathon: Automated Patient scheduler based on doctor Availability

- Designed an automated patient scheduler based on the doctors available, to improve the efficiency of handling patients by 50% and bring down the average waiting time of patients to 10 minutes.

### Shooting Competition Management System (Working-on)

A web-application to digitalise and automate the complete administrative process involved in a Shooting competition.

- Designed and developing a competition management system that can reduce the errors and delays in registration and score evaluation process by 70% and generate a revenue of 30,000/- per competition.

## IOT

Hands-on training on "IOT and applications" by loBit Solutions.

- Incorporated 7 different sensors to collect data and visualise the output on a webpage in realtime, and allowing features for actions to be taken based on the given data.

### Chief Admin of Competition

Pondy Open Shooting Championship - 2022, 2023, 2024.

Tamil Nadu State Shooting Championship - 2023, 2024.

All India G.V. Mavalankar Shooting Championship - 2024.

- As a beta tester of the software used for few competition, detected and removed 4 bugs on the software and implemented certain features, which ensured smooth continuation of the competition.
  - Administrated as Admin, managing and processing data of average of 1000 shooters per competition. Entered Scores at a rate of 3000 to 4500 entries per hour, resulting in a reduced publishing time of around 15 minutes.
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## OTHER EXPERIENCE

### Placement coordinator

- Collaborated with design team to create a insightful placement brochure to attract campus drives.

### Organising Committee - E-Zone

- Coordinated technical event for junior students, aiming to foster interest and enhance technical skills.
  - Head of Documentation committee, Recursion'24. Coordinator of multiple technical events.
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