

# MADHESH S



## CONTACT

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## PROGRAMMING LANGUAGES KNOWN

C  
C++  
Java  
HTML  
CSS  
Javascript  
SQL  
Advanced Java

## AREAS OF INTEREST

Networking : Passionate about understanding and optimizing network architectures, protocols, and security measures to enhance system performance and reliability.

Database : Intrigued by database design, management systems, and query optimization techniques to ensure efficient data storage and retrieval.

Advanced Java Programming: Proficient in leveraging advanced Java features and frameworks like Servlets, JSP, JDBC, and JPA to develop robust and scalable web applications and enterprise solutions.

## LANGUAGES

Tamil - Native Proficiency  
English - Full Professional Proficiency  
Hindi - Elementary Proficiency

## OBJECTIVE

Dedicated to apply my skills and qualifications to contribute effectively to the organization while continuously learning and growing. Passionate about making a positive impact and achieving professional excellence

## EDUCATION

2021-2025	<b>BTECH IT</b> Puducherry Technological University CGPA :- 9.58(upto 5th semester)
2020-2021	<b>HSC</b> Petit Seminaire Higher Secondary School 97.166%
2018-2019	<b>SSLC</b> Petit Seminaire Higher Secondary School 95.6%

## INTERNSHIPS

17.05.2024 - 17.06.2024	<b>Summer Intern</b> French Institute of Puducherry Developed "SIPIS" (South Indian Population Information System), a comprehensive web application using React.js, QGIS tools, and Leaflet plugins. Designed and implemented a user-friendly interface for researchers to access demographic data at various levels including districts, subdistricts, and villages. Utilized QGIS for geospatial data processing and integration with Leaflet for interactive map visualizations on the web platform. Collaborated closely with researchers and stakeholders to gather requirements, implement features, and ensure the system met their analytical needs effectively. Implemented responsive design principles and optimized performance to enhance user experience and accessibility across different devices.
24.05.2023 - 15.06.2023	<b>Intern</b> SYSCORP Implemented SEO strategies to optimize website traffic and increase visibility on search engines. Conducted keyword research, analyzed website performance metrics, and made data-driven decisions to enhance search engine rankings. Managed CRM software to streamline customer interactions and improve client retention. Executed online advertising campaigns, including Google Ads and forum advertisements, to drive targeted traffic and increase engagement.

May 2022  
- June  
2022

Intern  
RINEX

Developed and deployed machine learning models including "species\_classifier" to predict species based on petal count and leaf pattern, and a "Spam Ham" model to classify incoming messages as spam or ham using Python. Deployed these models on Heroku, ensuring scalability and accessibility.

Leveraged Python libraries such as Pandas for data manipulation, Matplotlib for data visualization, and Scikit-learn for model training, evaluation, and deployment.

Designed and implemented a chatbot using Google Dialogflow services tailored for deployment on Telegram, integrating natural language processing to facilitate automated interactions and enhance user experience.

## PROJECTS

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### **SIPIS (South Indian Population Information System)**

Developed a comprehensive website using React.js, QGIS tools, and Leaflet plugins to provide researchers with access to demographic data at district, subdistrict, and village levels.

### **Spam Ham Message Classifier**

Developed a machine learning model to classify incoming messages as spam or ham using Python, enhancing efficiency and accuracy in message filtering.

### **PlotSales Website**

#### **Version 1: Java Swings and JDBC**

Developed a desktop application using Java Swings and JDBC to manage property listings and facilitate sales transactions efficiently.

#### **Version 2: Java Servlets and JSP**

Designed and implemented a scalable web-based platform using Java Servlets and JSP for managing property sales, leases, and rentals. Enhanced user interaction and data management capabilities to streamline property transactions.

#### **Version 3: HTML, CSS, JavaScript, and PHP**

Developed a dynamic website using HTML, CSS, JavaScript, and PHP to facilitate property sales, leases, and rentals. Implemented features for viewing property listings, booking properties, and registering properties for sale, lease, or rent. Enhanced user interface and functionality to improve user experience and operational efficiency.

#### **Enhanced Video Streaming Platform with Parental Controls**

Created a video streaming platform using HTML, CSS, JavaScript, and PHP, featuring enhanced parental control functionalities to manage content access.

## WORKSHOPS

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AUGMENTED REALITY Completed two days workshop on AUGMENTED REALITY organized by the INFORMATION TECHNOLOGY ASSOCIATION "Itech Web" of Puducherry Technological University in association with EXOR ROBOTICS

ReactJS Completed two days workshop on ReactJS organized by the INFORMATION TECHNOLOGY Department of Puducherry Technological University and secured a S grade in final project

## COURSES AND CERTIFICATIONS

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- 1) DATA SCIENCE , RINEX in association with Cognizance, IIT Roorkee (05/2022 - 06/2022).
- 2) APP DEVELOPMENT , RINEX in association with E-Cell IIT Bhubaneswar (04/2022 - 05/2022)
- 3) Junior Grade Typing(English) - First class with Distinction
- 4) NPTEL COURSES
  - \* Introduction To Cognitive Psychology
  - \* Consumer Psychology
  - \* Ethics In Engineering Practice

## SKILLS

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Problem Solving

Aesthetic Designing Skills

Communication

Fast Typing

## EXTRA CURRICULAR ACTIVITIES

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Table Tennis Championship - Participated in Annual Sports Meet 2022-2023 and secured winner position organized by PTU

Technical Quiz - conducted by PTU on World Water Day and secured a first place

Technical Quiz - conducted by literary club of PTU and secured a third place

Participated in Codegolf conducted by ICON symposium conducted by CSE Department of PTU

## ACHIEVEMENTS

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**Certificate of Merit, Puducherry Technological University**

**Awarded:** May 2, 2024

Secured First Rank in B.Tech (Second Year) for the academic year 2023-2024  
**Department of Information Technology**