

# SIVAKUMAR P

## Data Analyst

### Summary

A mathematics graduate and a data science student, in pursuit of learning and a keen interest in academic and real-world research. I'm eager to apply my understanding of higher mathematics and my passion for problem-solving in a dynamic team environment.

### Skills

- Programming | Python, Java
- Database management | Postgres
- Data Visualisation | Excel, google sheets, matplotlib, Powerpoint
- FrontEnd Development | HTML, CSS, Bootstrap
- Others | Advanced Mathematics, Bash scripting

### PROJECT

#### Group study on Applications of Graph Theory in Social Networking:

- Conducted in-depth research on the applications of Graph Theory in social networking, specifically focusing on socio-centred connections.
- Identified various ways in which different types of socio-centred connections contribute to deriving meaningful data in social networks.
- Explored the theory of graph connectivity hypotheses to discern patterns in different types of relations based on the frequency and context of shared data.

### Extracurricular Activities

#### General Student Body Member IIT Madras online


**Group leader, Wayanad House Tiruchirappalli | September 2022 - August 2023**


- Organising multiple online events
- Engaging in student interaction and student welfare activities
- Helped build a community and managed to solve multiple student issues

### VOLUNTEER EXPERIENCE

#### Representing IITM BS in Dinamalar Vazhikatti | 2023 and 2024

- Conducted information sessions for 12th-passing students, providing detailed insights into the online degree programs offered by IITM.
- Interacted with over 500 students and their parents through one-on-one interactions and group presentations.

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### EDUCATION

#### **Foundation in Programming and Data Science**


Indian Institute of Technology Madras (IITM)

 September 2021 - December 2022

 CGPA: 8.20/10

#### **Bachelor of Science, Mathematics**

Bishop Heber College, Tiruchirappalli

 May 2021 - April 2024

 CGPA: 7.19/10

#### **Higher Secondary (XII),**

E R Higher Secondary School, Trichy

PCMC Stream, State Board

 May 2021

 Percentage: 90.63%

#### **Secondary (X),**

Modern English School, Bangalore

 May 2019

 Percentage: 86.40%

### Coursework

#### **Diploma in programming Indian Institute Of Technology Madras (IITM)**

December 2022 -Present |

Current CGPA: 7.78/10

System Commands

Database Management Systems

Modern Application

Development I

Programming Concepts using

Java

- Successfully encouraged students to consider and enroll in online degree programs, fostering awareness and interest.
- Implemented feedback mechanisms to gather insights from students and parents, leading to the enhancement of outreach strategies and program offerings.

### Paper presentation

Representing Bishop Heber College, Trichy International Conference on New Ideas in Technology and Innovations held by Cauvery College for Women Trichy:

- Presented a paper about graph theory and its application in social media in front of over 100 active participants
- Worked with diverse teams and contributed to collective knowledge in the field through a conference organised in collaboration with renowned institutions.

### Languages Known

English  
Tamil  
Kannada  
Hindi

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### Interests

Fitness | Callisthenics, Running  
Writing | Journaling, Poems  
Others | Photography, anime