

AISHWARYA RAJASEKARAN

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EDUCATION

Indian Institute of Information Technology, Design and Manufacturing -Kancheepuram, Chennai
Bachelor of Technology: Computer Engineering Expected - June 2019
CGPA – 8.98/10 (at the end of 4th semester)

PROFESSIONAL EXPERIENCE

Developer Intern

[“DeaS Lab](#), Centre for Product Design and Manufacturing, IISC Bangalore” May 2017 to July 2017

Project InDeaTe (Innovation Design and Database Template)
Guide Dr Amaresh Chakrabarti
Role Full Stack Web Developer, Design Database Management
Languages Django, Python, HTML, CSS, Javascript
IDE PyCharm Community Edition
Database MySQL Database
Description InDeaTe is a Computer-Based Platform with a Systematic Design Template and a Database of Methods and Tools which aims at improving sustainability considerations in design.

Summer Intern

“Gas Turbine Research and Establishment, DRDO” May 2015 to June 2015

Project Encryption and Decryption of Text Files
Role Implemented encryption and decryption of text files using DES algorithm
Language Java
IDE Net Beans

PROJECTS

Designing an efficient Air filtration system for Indian Industries June 2015 to May 2017

Course work project - “Design was selected as one of the best three projects”

- Employed the principles of system thinking to come up with the problem statement.
- Applied the concepts of artificial intelligence to improve the product.
- Ethnography studies to understand the social context of user and customer.

Designed an efficient pipelined processor

February 2017 to May 2017

Course work project - “Computer Organization “

- Implemented pipelined prefix adder, Wallace tree multiplier, barrel shift rotator and shifter using Verilog as a part of Computer Organization lab.

Astyanax: Line follower robot

January 2016

National Tech Fest, IIITDM Kancheepuram – “Runners up”

- Built an autonomous line follower robot using Arduino microcontroller and manual robot with ball picking mechanism

Placement website of IIITDM Kancheepuram

July 2015 to December 2015

Placement Volunteer – “Placement cell, IIITDM Kancheepuram”

- Worked with placement developer team to build the institute placement website

SKILLS

Programming Languages: C, C++, Java, Python, HTML, JavaScript, Django, SQL, MATLAB

CAD and EDA Tools: AutoCAD, Cadence, Virtuoso

Operating Systems: Linux, Windows

Other Skills:

- Ability to understand the socio-cultural and economic factors of problems
- A good understanding of organizational structure and dynamics (From my prior internship)
- Good logical and reasoning ability
- Exhibit Leadership skills (Lead role in Mentor Mentee program)
- Quick learner, keen to learn and improve skills.
- Able to take on responsibility and work efficiently in a team
- Deft with MS Office and other documentation tools

POSITION OF RESPONSIBILITIES

Joint Academic Affairs Secretary

Present

“Academic Affairs Portfolio, IIITDM Kancheepuram”

- Represented issues pertaining to academics, project and bridged the gap between the faculty and students.

Mentor Mentee Program

Present

Chair – “Mentor Mentee Program “

- The program was initiated under the Student Affairs Portfolio to guide the students in various aspects
- Played a significant role in the conceptualization and realization of the program

Vidhai

Present

Head - “Non-Profit Organization”

- Vidhai is an initiative started by the students of IIITDM Kancheepuram to support government school students.
- Conducted interactive sessions, Science fair for students of grade 6-10

Zerone Club

August 2016 – May 2017

Coordinator - “Programming Club, IIITDM Kancheepuram”

- Conducted sessions, competition and programming contests.

Publicity Team

September 2015 – February 2016

Volunteer - “Samgatha, National Tech Fest “

- Publicized Techno-Cultural Fest, Samgatha in various colleges in and around Chennai.

WORKSHOPS ATTENDED

- | | | |
|------------------------------------|---------------------|----------------------|
| • Arduino Workshop | IIITDM Kancheepuram | <i>October 2015</i> |
| • Application Development Workshop | IIITDM Kancheepuram | <i>February 2015</i> |

ONLINE COURSES

- Socket Programming in C – Udemy
- Cloud Computing – NPTEL(Ongoing)
- Introduction to Machine Learning -NPTEL (Ongoing)
- Introduction to Data Mining – Coursera (Ongoing)
- Intro to Python for Data Science – Datacamp (Ongoing)
- Applied Data Science with Python Specialization -Coursera (Ongoing)