

Aparajith Raghuvir

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EDUCATION

IIITDM KANCHEEPURAM
BTECH IN COMPUTER SCIENCE AND
ENGINEERING
June 2022 | Chennai, India
Cum. GPA: 9.23 / 10.00
Major GPA: 9.53 / 10.00

COURSEWORK

UNDERGRADUATE

Discrete Mathematics
Compiler Design
Linear Algebra
Probability Theory
Digital Image Processing
Advanced Data Structures and Algorithms
Human Computer Interaction
Analytics and Systems of Big Data
Object Oriented Programming
Computer Organization + Practicum
Computer Architecture + Practicum
Database Systems + Practicum
VLSI System Design + Practicum
Computer Graphics + Practicum
Computer Networks + Practicum
Operating Systems + Practicum

PROFESSIONAL DEVELOPMENT

Deep Learning Specialization by
deeplearning.ai
Introduction to AI - Harvard's CS50
Data Science by Johns Hopkins on
Coursera
Introduction to Machine Learning - NPTEL

SKILLS

PROGRAMMING

Over 5000 lines:

C • C++ • Python • R

Over 1000 lines:

MySQL • Verilog HDL • Assembly •

MATLAB

Familiar:

Java • HTML • CSS • LaTeX

LANGUAGE SKILLS

PROFICIENT

- English
- Tamil (native)

SPOKEN PROFICIENCY

- Hindi

RESEARCH WORK AND PROJECTS

CATCHING FREE RIDERS IN THE RAILWAYS August 2020 -
April 2021 | IIITDM, India

- Working project to help solve the rampant problem of free riders in Indian Railways
- A minimum viable product of a camera based person counter to compare number of passengers on trains with bookings
- Incentive based passenger reporting and companion app on ticket checker side to receive real-time info on zones of high infringement
- Tech: Python, Arduino, MobileNet

MATSIGHT | SOFTWARE ENGINEERING INTERN AT THE
MATHWORKS INC

May 2021 - October 2021 | Bangalore, India

- An application that scrapes data relating to MathWorks products from social media such as Reddit and MATLAB Answers
- Provides meaningful insights and information to the UX and marketing teams
- Tech: Elasticsearch-Logstash-Kibana, Python

LETTER RAIN

August 2020 - November 2020 | IIITDM, India

- Created a original word forming game
- Tailored for vocabulary building and language learning

TIMETABLE MANAGEMENT SYSTEM January 2020 -
August 2020 | IIITDM, India

- Created an app for university that automates class scheduling
- Helped eliminate miscommunication due to frequent timetable changes

HYBRID ENERGY SYSTEM

April 2017 - June 2017 | IIT Madras, India

- Worked on a project under Prof. Arun Tangirala at Indian Institute of Technology, Madras to research a possible hybrid energy system for a rural application

WORK EXPERIENCE

2021	May - October	The MathWorks Inc
2022	January - May	Zoom Video Communications