

Aparajith Raghuvir

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EDUCATION

IIITDM KANCHEEPURAM

BTECH IN COMPUTER SCIENCE AND ENGINEERING

June 2022 | Chennai, India

Cum. GPA: 9.16 / 10.00

Major GPA: 9.51 / 10.00

GRE Score: 332 / 340

TOEFL Score: 118 / 120

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

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

EXTRACURRICULAR ACTIVITIES

VOLUNTEER AT VIDHAI

Volunteer at nonprofit Vidhai that seeks to make videos for underprivileged children who can't afford tuitions. Spend 2-5 hours a week creating content.

UNIVERSITY CHESS PLAYER

Coordinator of the university chess club, competitive player. I organize chess club sessions, both intra and inter-university tournaments and represent the university in external tournaments.

WORK EXPERIENCE

2021 May - October The MathWorks Inc