

Aaditya Prakash Kattekola

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Github: github.com/Kapi2910

EDUCATION

- National Institute of Technology** Warangal, India
Bachelor of Technology; GPA: 8.34
Department: Electronics & Communication Engineering
July 2019 - present
- Indian School Muscat** Muscat, Oman
CBSE Class 12; Percentage: 91.8%
Mar 2018 - Apr 2019
Subjects: Mathematics, Physics, Chemistry, Computer Science(C++, SQL, Python), English

EXPERIENCE

- University of North Texas** Denton, Texas
Visiting Scholar
May 2022 - Aug 2022
 - Work Description:** Mathematical Modelling of a Supply Chain and using AnyLogistix to optimise the model.
 - Department:** Logistics & Operations Management
 - College:** G. Ryan Brint College of Business.
 - Skills Acquired:** Mathematical Modelling, AnyLogistix, Literature Survey, Paper Writing
- GBit Studios** Warangal, India
Worked As:
Aug 2019 - Dec 2020
 - Game Programmer:** Created interactive environments, character AI, designed games
 - Project Lead:** Lead a team of 10 members and made "Net-It", a mobile game with **1000+ downloads** each on the app store & play store
 - Other Works:** Conducted interviews & training sessions on the Unity game engine & programming patterns
 - Skills Acquired (Tool used):** Game Programming Pattern(Unity3D), 3D Modelling(Blender), Project & Team Management(Trello), Git

PROJECTS

- Cart-Pole Controller using Q-Learning:** Implemented Q-Learning on the Cart-Pole environment of OpenAI gym
- Air Corridors Research Project (On Going):**
 - Building an **autonomous aerial traffic management system** that plans optimal, collision-free paths through the airspace.
 - Working under **Dr.Namuduri at University of North Texas, Denton**
 - Planned to submit to the **IEEE International Conference on Communications, 2023**

PUBLICATIONS

- (On Going):** Niranjana, S., Narayanan, A., Grag, V., Macdonald, J., Zhang, J., **Kattekola, A.**, & Dubey, S. (2022). Optimisation of Covid19 Vaccine Supply Chain. Annals of Operation Research

EXTRA-CURRICULAR

- Robotics Clubs NITW** Warangal, India
Additional Secretary
Aug 2021 - Present
 - Documentation Lead in DDRobocon:** Managed the notes & documentation of the design in DDRobocon, a national competition organized by IIT Delhi; cleared Stage 1 off 3
 - Team Lead in EYantra:** Lead a team of 4 in building a self-balancing bike for EYantra, India's largest Project-Based Learning robotics competition conducted by IIT Bombay; cleared Round 2 off 4
 - Arduino Training:** Trained 17 first year students on the Arduino Uno; each one creating a traffic light controller at the end

HONORS AND AWARDS

- National Innovation Challenge** Ministry of Education, Govt. of India
Maya, an interactive VR demo, was selected for regional level mentoring
Jan 2020
- Scholarship Program for Diaspora Children** Ministry of External Affairs, Govt. of India
Merit-based scholarship awarded to only 150 students in India
Nov 2019

VOLUNTEER EXPERIENCE

- Care & Special Education** Indian School Muscat, Oman
Taught the intellectually disabled necklace making & encouraged physical activity
Aug 2018 - Mar 2019