

UNNIKRISHNAN MENON

Electrical and Electronics Undergrad

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WORK EXPERIENCE

02/2019 – Present

Technical Head of Electrical Department

roboVITics, the official robotics club of VIT

07/2018 – Present

High Power Circuit Designer

The team designed a 120 lbs combat robot that has performed well in international RoboWars

Achievements

- Finished in top 7 internationally at RoboWars, TechFest'1, IIT Bombay
- Secured third position in RoboWars, Kurukshetra'19, Anna University

12/2017 – 02/2019

Core-Committee Member

roboVITics, the official robotics club of VIT

- Successfully completed multiple robotics projects involving Machine Learning, Computer Vision, Artificial Intelligence, IoT etc.

EDUCATION

02/2017 – Present

B.Tech in Electrical and Electronics Engineering

Vellore Institute of Technology, Vellore

Current CGPA (3 semesters): 8.62

Class 12 Board Examination (CBSE): 94.2%

Summer Fields School, New Delhi

Class 10 Board Examination (CBSE): 10 CGPA

Summer Fields School, New Delhi

SKILLS

Machine Learning, Artificial Intelligence, Cryptography, Astrophysics, Python, Competitive Coding, Combat Robotics, Electronics, Internet of Things, Robotics, C/C++, Java, MATLAB, Computer Vision, Back-end Development, Socket Programming

ACHIEVEMENTS

6 Near Earth Object Observations (All India Asteroid Search Campaign)

I used a software called Astrometrica to detect potential celestial objects and I ended up spotting 6 Near Earth Objects (NEO's)

02/2019

Winner of Developer's Sprint of Code Hackathon by CodeChef

Secured the First Position in this 36 hour Hackathon. I worked on the hardware and a facial emotion recognizer for an electoral system that eliminates majority of the problems in the existing system

01/2018 – Present

Quora Top Writer 2018

Got the coveted Top Writer's Quill on my Quora profile for writing quality technical content. Got New York Time's subscription and a t-shirt as a reward from Quora

PERSONAL PROJECTS

02/2018 – 04/2018

Autonomous Rubik's Cube Solver

- Developed an algorithm in under 800 lines of C++ code that predicts the correct moves to solve a scrambled $3 \times 3 \times 3$ Rubik's Cube.

12/2018 – 02/2019

Self Learning Crawler

- This bot combines the Q Learning algorithm with a robotic arm to come up with an optimum policy for moving forward

02/2019 – 02/2019

Comprehensive Electoral System

- Secured First Position in DEVSOC'19

01/2019 – 02/2019

Prepaid Energy Credits based Power Distribution System

- ML based algorithm for predicting power usage in a common household.

05/2019 – 12/2019

RSA Encrypted Online Password Storage

- This code can be used to save your passwords or other confidential data remotely to a server without any worries of it getting hacked.

05/2018 – 06/2018

TensorFlow Chatbot using RNN's and LSTM's

Add some of your other shit to fill this page since I've occupied it.

REFERENCES

Awnon Bhowmik, College Laboratory Technician

Department of Mathematics

Borough of Manhattan Community College

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