

VISHAL RAJ

Skilled in Problem Solving, Algorithms and Data Structures

✉ mevishal2000@gmail.com ☎ 7003554703 📍 IIT Kharagpur 🔗 LinkedIn Profile
🐙 Github Handle

EDUCATION

B.Tech in Electrical Engineering

Indian Institute of Technology Kharagpur

📅 July 2017 – Present

- CGPA - 9.62

EXPERIENCE

Artificial Intelligence Team

Kharagpur Robosoccer Students' Research Group

📅 March 2017– Ongoing 📍 IIT Khargpur

- Working on Autonomous Coordinated Soccer Playing SSL Bots using Artificial Intelligence .
- Path Planning with OMPL for higher level strategy design.
- The research objective of the group is to build and study cooperative multi-agent systems in highly dynamic adversarial environments.

AWARDS AND RECOGNITIONS



JEE Advanced 2017

All India Rank - 1067, Percentile - 99.33%



JEE Mains 2017

All India Rank - 586, Percentile - 99.94%



JBNSTS Scholar 2017

Awarded Rank 2 among all students in Final Camp
This scheme caters to the development of creative undergraduate students studying Basic Sciences, Engineering and Medicine in registered institutions of West Bengal.



Regional Mathematical Olympiad

Qualified RMO - Three times i.e. in class 9, 10 and 11.



KVPY Scholar

Qualified Kisore Vaigyanik Protshahan Yojana.



NSEA Quaified

Qualified National Standard Examination in Astronomy conducted by IAPT.



NSEJS Quaified

Qualified National Standard Examination in Junior Science conducted by IAPT and awarded Merit Certificate.

PROJECTS

Optimal Fuzzy Passing Strategy

📅 May 2017–July 2017 📍 IIT Khargpur

- Project on Fuzzy Logic System under Professor Jayanta Mukhopadhyay, Department of Computer Science and Engineering, IIT Kharagpur. This involves implementing smart system for passing in Robocup SSI League.

- Tools : SkFuzzy, Python, Grsim simulator

Optimal Assignment Module

📅 May 2017–July 2017 📍 IIT Kharagpur

- Project under Professor Jayanta Mukhopadhyay, Department of Computer Science and Engineering, IIT Kharagpur. Involves optimizing a cost function to decide task assignment to Robocup SSL Bots.

- Tools : Python, Grsim simulator

SKILLS AND COURSES

Deep Learning (Coursera)

- Neural Networks and Deep Learning
- Improving Deep Neural Networks
- Structuring Machine Learning Projects
- Convolution Neural Networks
- Sequence Models

Machine Learning (Coursera)

- Machine Learning Certification

Tools

- Tensorflow, Keras, Scikit-learn

Programming Languages

- C++, Python, Javascript, C#, C, Ruby

Web Development

- React, Node, CSS, HTML5

Others

- Git, ROS, BeautifulSoup4, Selenium