

Indralok Kumar

B.E in Electrical and Electronics Engineering | Dayananda Sagar College of Engineering

EDUCATION

DAYANANDA SAGAR COLLEGE OF ENGINEERING

B.E IN ELECTRICAL AND ELECTRONICS ENGINEERING

2023 | Bangalore, India

CGPA: 7.80

HOLY CROSS PUBLIC SCHOOL

CLASS 12 | CBSE

2018 | Muzaffarpur, India

Percentage: 71.6 %

JAWAHAR NAVODAYA VIDYALAYA

CLASS 10 | CBSE

2016 | Muzaffarpur, India

CGPA: 8.8/10

COURSEWORK

UNDERGRADUATE

Computer Programming
Data Structures and Algorithms
Object Oriented Programming*
Database Systems*
(*MOOC)

SKILLS

PROGRAMMING

Proficient

- C/C++ Familiar
- Javascript

WEB

Technologies

- React.Js • Node.Js
- Socket.io • Raspberry Pi
- Raspbian OS • OpenCv
- TensorFlow • MongoDB

Web Design

- HTML/CSS • Bootstrap

OTHERS

- Adobe Premiere Pro
- Adobe After Effects • Git
- Latex

LINKS

Github:// [Indralok Kumar](#)

LinkedIn:// [indralok-kumar-a488b7224/](#)

PROJECTS

PICK-UP ROBOT | COURSE PROJECT

Mentor: Dr M Premkumar | Result : [Video](#)

- A multi-purpose Autonomous Navigating Robot which maneuvers by a set of gear motors connected to the lightweight chassis which help the robot to do a certain movement
- A robotic arm with three degrees of freedom to pick up the objects from one location and drop to another location given by user
- Ability to overcome the obstacles in its path by detecting and avoiding them
- Technologies used: **Raspberry Pi, Raspbian OS, OpenCv, TensorFlow**

MESSENGER | SELF PROJECT

Open Sourced : [Github](#)

- A real time chat application which permits communication that is usually addressed directly but is anonymous among users in a multi-user environment.
- The portal can be used to chat specifically with a user or multiple users added to the group
- Technologies used: **React.Js, Node.Js, HTML/CSS, Bootstrap**

COMMENT SYSTEM | SELF PROJECT

Open Sourced : [Github](#)

- A portal developed as a chatting option where one can initiate a thread message, followed by comments and replies to it
- Ability to add comments, reply to comments and search for the comments using Regular Expression
- Technologies used: **Node.Js, React.Js, MongoDB**

TO-DO LIST | SELF PROJECT

Open Sourced : [Github](#)

- A portal to add multiple content and extract relevant information created by users
- Ability to add content, read contents, update the content, delete contents
- Technologies used: **Node.Js, React.Js, MongoDB, Bootstrap**

ACHIEVEMENTS

- Team Lead at Srishti Innovation Exchange, 2022 with project Pick-up Robot which detects obstacles in track of motion
- 200+ submissions on competitive coding platforms (Leetcode, Geeksforgeeks, Spoj)

POSITIONS OF RESPONSIBILITIES

- Represented Jawahar Navodaya Vidyalaya Basketball Team as Team Captain at Regional Basketball Tournament, 2015

EXTRACURRICULAR

- Member of organising team of Vibrations'22, Cultural Fest of Dayananda Sagar College of Engineering