Rohan Chaudhury

Bachelor of Technology
Electronics and Communication Engineering

Mob: +918582822720
E-mail: rohan.chaudhury.rc@gmail.com
LinkedIn:
https://www.linkedin.com/in/chaudhury-rohan/

Summary

B.Tech in Electronics and Communication Engineering from National Institute of Technology, Durgapur with a CGPA of 9.25. Graduated in the year 2019. Have done relevant work in the field of Optimization, Machine Learning, Artificial Intelligence and Robotics which are listed below. Worked in the field of app development and have released two android apps which utilizes AI algorithms. Playstore Link 1, Link 2

Publications

Optimal Integer Order Approximation of Fractional Order Human Ear Simulator, IEEE ECTI-CON- 2018, Chiang Rai, Thailand.
IEEE Xplore Link , Certificate Link

Work Experience

- Joined Wipro Ltd. as Project Engineer on July, 2019.
- Summer Internship at PricewaterhouseCoopers Pvt. Ltd. (Technology Consultant Intern) from May-July 2018. Certificate Link
- Research Internship at Machine Dynamics Laboratory, NIT Durgapur, India on Mobile Robotics. Guided by Dr. Nirmal Baran Hui (ME), NIT Durgapur & Dr. Aniruddha Chandra (ECE), NIT Durgapur (2018).
- Research Internship at Indian Statistical Institute, Kolkata, India on Computer Vision. Guided by Prof. Bhabatosh Chanda (ECSU), ISI Kolkata (2017).
- Research Intern at Jadavpur University, West Bengal, India on Mobile Robotics. Guided by Prof. Amit Konar (ETCE), Jadavpur University. Github Link

Certifications/Trainings

- Completed the course Applied AI with Deep Learning authorized by IBM, Certificate Link, Badge Link
- Google Cloud Platform Big Data and Machine Learning Fundamentals authorized by Google cloud, Certificate Link
- Neural Networks and Deep Learning authorized by deeplearning.ai, Certificate Link
- Machine Learning authorized by Stanford University and offered through Coursera, Certificate Link
- Embedded Systems and Microcontrollers from Pracsol Technologies. Certificate Link
- JAVASCRIPT from SOLOLEARN.

Extracurricular Acivities

- Painting, completed a course on Art
- Interested in music and can play the Synthesizer and Guitar
- Playing Chess

Projects

- Made an AI Face Editor App which uses flow based generative model to augment human facial features in pictures. Playstore Link
- Made an AI Chatbot App which responds to user's texts like a real person. Link
- Fabricated Reinforcement Learning video tutorial series which demonstrates the steps to make an Artificially Intelligent Bot using Reinforcement Learning which can play games. Youtube Link
- RFID Smart card programming using Raspberry Pi 3 to write and fetch data to and from a server. Detailed video explanation is available at: YouTube Link
- Sentiment Analysis using Tensorflow. Github Link.
- Constructed a Prototype Digital stethoscope to analyze cardiac signals in real time during auscultation to reduce the risks of not detecting certain anomalies. It was selected for the Grand Finale of Smart India Hackathon, 2018 . Certificate Link
- Designed a short-range Quadcopter using MultiWii v2.5 SE which was controlled from an Android device via Bluetooth.
- Designed and developed a semi-autonomous robot which was capable of throwing and landing discs at precise locations. Participated in the Asian Oceanian College robot competition, ABU ROBOCON 2017 as a team representing our college with this robot.
- Shape Detection using OpenCV library in python. Relevant codes are available at my Github link.
- Mobile Robot controlled by a smartphone application via Bluetooth using Arduino Nano .Relevant codes are available at my Github link.
- Developed a prototype on Home Automation using Arduino Microcontroller and Wi-Fi module ESP8266 in which the basic electrical appliances of a house can be remotely controlled by an interface in a laptop over the internet.

Technology Skills

Programming Languages
- Python
- Lua
- C
- C++
- Java
- Javascript
- HTML
- CSS

Software Skills
- MATLAB (For signal, image processing)
- SAP HANA Cockpit
- Eclipse
- GNU Octave(For signal, image processing)
- LTspice
- Sketch-Up
- Android Studio

Microcontrollers and Computers used for Robotics Projects
- Arduino
- Raspberry Pi 3

Position of Responsibility

- Was involved in raising funds for the Child Care Project of CCWH and RI and to help suffering children from cancer.
- Member of ROBO-CELL of Centre for Cognitive Activities(the official club of NIT, Durgapur) from 2015-2019.
- Senior Fest Coordinator in AAROHAN 2017,2018 & 2019 (Annual Techno-Management Fest of NIT,Durgapur).