

RAM LAKHAN

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EDUCATION

Indian Institute of Technology, Mandi
B.Tech, Electrical Engineering
Dev Memorial Sr. Sec. School
12th, CBSE.

Graduated :2020
CGPA :8.5
Passed : 2015
Overall Percentage: 93.2

WORK EXPERIENCE

Futures First Info Services Pvt. Ltd.
Worked as Market analyst.

June 2020-July 2020

Entuple Technologies Pvt. Ltd.

June 2019-Aug 2019

Worked on the speed control (Open loop, closed loop and hysteresis control) of BLDC Motor and PMDC Motor.

SKILLS

Technical: C, SQL, MATLAB, Simulink, Excel, Power Point, Arduino IDE .

Behavioral : Leadership, Strong analytical skills, Quick learner.

COURSES

- Data Structures and Algorithms, Advance Database Practicum, Machine Learning, Probability and Random Processes, Linear Algebra, Control System, Network Theory, Digital Signal Processing, Applied Electronics, Signals and Systems, Digital System Design
- Principle Of Economics, Personal Finance, Financial Management, Financial Markets

PROJECTS

- **Prediction of Soil Movements** Dec 2018-Jan2019
To setup a low cost system which warns the locals against excess soil movement resulting into Landslides using Machine Learning algorithm for prediction of soil movements in Hilly areas
- **Predicting Kidney Failure Using Artificial Neural Network** (Aug 2017- Dec 2017)
This project aims to predict existence of renal failure in any patient and to build an instrument that can assess dialysis service performance.
- **Hyperloop Maglev Train** MTP (Aug 2019- Present)
This project involves construction and control of Hyperloop. The construction is done such that a Maglev train travels inside partially vacuum tubes. The Maglev train travels levitated above the track at about a height of 10 mm to eliminate friction due to contact and hence achieves higher propulsion speed.
- **Criminal Records Management System** Aug-June (2019)
Creating a database management system that could benefit Indian Police and can handle details of police station and police officers in hierarchical order.
- **Balancing an Inverted Pendulum** Control System (2019)
This project involves the construction of an inverted pendulum on a mobile platform. The platform/cart is driven by motors to make it move back and forth. The metallic rod is attached to a rotary encoder which measures the angle that the rod make with the centre of the earth and using the angle pendulum is balanced.

POSITION OF RESPONSIBILITY

- **Sports Secretary, Students Gymkhana IIT Mandi** (March 2018 June 2019)
Students Sports Representative, Organising Head of all Sports activities and Tournaments Of institute.
- **Organising Secretary, Annual Sports fest Rann-Neeti** (July 2018- Sep 2018)
Supreme Head of the fest and all the teams working for the fest like management.
- **Planning and Management Co-ordinator, Annual Sports fest** (July 2017- Sep 2017)
Helped in planning all the stuff and managed the sports activities during the fest

SCHOLARSHIPS AND ACHIEVEMENTS

- Recipient of Merit-cum-Means scholarship program of MHRD.
- Got third Prize in Design Practicum.

EXTRA-CURRICULAR ACTIVITIES AND PERSONAL TRAITS

- Team captain, Institute cricket team.
- Strong motivational and leadership skills.
- Ability to work as an individual as well as in group.