Mohan Kukreja

Phone: +919968805623

Email : mohankukreja1@gmail.com

Github: http://github.com/mohankukreja1

EDUCATION

Bachelor of Technology, Electrical and Electronics Engineering	2016-2020	**Delhi Technological University (DCE)**	GPA : 8.73
CBSE Class XII- PCM with **Engineering Drawing**	2015-16	**Bal Bharti Public School , Ganga Ram**	Percentage : 95 %
CBSE Class X, with third language as **German**	2013-14	**Bal Bharti Public School , Ganga Ram**	CGPA : 9.6/10

INTERNSHIP EXPERIENCE

AdmitKard.com

*Software Development Intern in **Node.JS**, 21-May 2018- 21-July 2018*

- Responsible for building various **API's** on their platform build on **SailsJS.**
- Responsible for integration of **3rd Party communication platform(CometChat)** on their website. Responsible of all sorts of communication with CometChat team citing their bugs and molding their product according to company's requirement.
- Learned how to handle large database using **MLAB.** Devoted 2 weeks of the internship for **normalizing their database** into various tables so as to increase efficiency of various queries.
- Devoted Some time of internship working on **SEO(Search Engine Optimization)** for various blogs on AdmitKard platform
- Mentored by Mr.Rachit Agarwal, Co-founder at Admitkard.com and Former Senior Associate at Boston Consulting Group.

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Institute of Telecom Technology and Management , MTNL

Industrial Training in Data Communication and Networking , 27-May 2019 – 6-July 2019

- Implemented static and dynamic routing on cisco routers.
- Studied applications of IPv4 and IPv6 Protocol.
- Implemented **Dynamic Routing (RIP,OSPF,EIGRP), Access Control List , NAT/PAT** on Cisco Packet Tracer.
- Studied **MPLS(Multi Protocol Label switching)** structure of MTNL router network

SKILLS

- Programming Languages : **C++, Node JS, HTML, CSS, Javascript, MYSQL,8085 Assembly Language**
- Tools and Libraries**: ExpressJS, SailsJS, SocketIO, PassportJS , Git**
- Experience with Database Management Tools such as **MongoDB** and **Mongoose**
- Experience with server side templating language (**EJS,HBS**).
- Theoretical Analog and Digital Electronics, Microprocessors
- Theoretical Machine Learning Algorithms.

ACADEMIC PROJECTS

Focado : Backend Developer of complete online portal for school ,teacher and student interaction using **NodeJS** with separate logins for student , teacher and school, facilities for uploading **Notices**, **Assignments,Timetables** and **Ranking** of both students and teachers. Online **MongoDb** database is used for this project through facility provided by **Mlab** Currently being used in 5 schools.

Power Quality compensation in grid connected circuits using machine learning: : Considering power quality problems in distribution system, Harmonics in distribution system can be removed with the help of a dstatcom. Algorithm which I have used for dstatcom is SRFT(synchronous reference   frame theory) mainly focused on producing data for training. THD of system is improved using Artificial Neural Network and further improved by using Adaptive Neuro Fuzzy Inference System(ANFIS) by using data obtained from SRFT. Whole project is implemented in MATLAB Simulink. **Research paper for this project is published in IEEE International Conference for Emerging in Technology ,Belgaum, India.**

Patient bedside communication portal: Currently working on creating a portal for patients so that they have all the information related to their treatment process. Portal includes all the appointments of patient, medicines and all the related stuff. Currently in talks with Artemis hospital for database requirements and will be extending this idea for doctors as well.

ACADEMIC ACHIEVEMENTS AND AWARDS

- Completed an introductory course at Coding Blocks focused on problem solving using data structures and algorithms in C++. Secured rank 3 in Hackethon conducted on completion in the batch of 60 students.
- Completed an introductory course at Coding Blocks focused on Full Stack Web Development using NodeJS.
- Awarded certificate of excellence from school on securing 97% in chemistry and 99% in engineering drawing

EXTRACURRICULARS

- Cricket aficionado
- Basic level of proficiency in German.

DECLARATION:

I hereby declare that details furnished above are true and correct to the best of my knowledge and belief.