2010

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July 2022 - Continue

Chennai

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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Masters of Technology	Indian Institute of Technology, Ropar	8.61	2020-2022
Bachelor of technology	Government Engineering college, Jhalawar	75.95%	2015-2019
Senior Secondary	Central Board of Secondary Education	86.40%	2015
Secondary	Central Board of Secondary Education	7.8	2013

EXPERIENCE

Fabheads Automation private Limited

Kuldeep Meena

in Electrical Engineering

Indian Institute Of Technology, Ropar

Master of Technology

Software Development Engineer

- As a 3D Printer Software Developer, I have experience in developing web-based slicing software i.e C6 slicer, which converts 3D models into printable G-code. I am skilled in optimizing 3D printer software for speed, accuracy, and reliability. Additionally, I have developed three proof of concepts: a slicing engine for Infinity printers, automatic fiber placement software, and milling software. I utilize cloud computing platforms such as AWS EC2, Lambda, and S3, and have a strong understanding of software development methodologies including DevOps. I am also experienced in using version control tools like Git and CI/CD pipelines for testing.

Ducat
 June 2018 - July 2018
 Intern
 Noida

 Involved task of exploring and applying preprocessing technique on iris, boston, wine, breastCancer. Worked on Machine learning algorithms such a Neural network, PCA, Random forest, Decision Tree, Support vector machine, KNN Classifier, Logistic Regression, Linear Regression.

PROJECTS

• Masters Thesis Project: Estimation of Resistivity for Aged cable insulation using ML	Jan 2022 - May
- This work involves the estimation of HVDC cable insulation resistivity with the effect of the	me(Ageing)
• Masters Thesis Project: Estimation of cable max. operating temperature using ML models	Aug-Dec Paper Published
Dr. C C Reddy	
 This project Involves a Comparative study of different machine learning models to achieve a the maximum operating temperature of HVAC cable. Future direction is to apply other deep model efficiency 	maximum efficiency, to estimate p learning techniques to improve
Condition Monitoring of HVAC cable using IOT based Sensors	Sept Dec - Paper Published
$Dr. \ C \ C \ Reddy$	
 This project uses a embedded devices, like Arduino, GSM module, Temperature Sensors, to cloud and by the help of that data, estimation of insulation temperature is also possible 	o estimate and send the data to
FaceRecognition using openCv in machine learning	may 2018 - june 2018
Mr. Vineet Kumar, DUCAT	
– This projects involves the use of many machine learning algorithms, to Correctly recognise	the face, based on the training.
Inductance meter using Arduino	july 2018 - Apr 2019
Mr. Pramod patidar	
- This involves a embedded devices to calculate the inductance of inductor and display it on	the LCD crystal display.
I ECHNICAL SKILLS	
• Programming Languages : Python, SQL, C/C++	
• Software Used: Cura, Prusa, MATLAB, PSCAD, Power-world, Arduino IDE, MS-Excel, MS-	Word
Project Management: Problem Solving Ability	
• Tech Stack: Django, Docker, Linux, Git, Machine-learning, PostgreSQL, AWS, EC2, S3, RDS	5, pandas, Numpy
Key courses taken	
• Electrical and Electronics: Power Systems, Control system, Power Electronics, Microprocesse DBMS	ors, C++, Artificial intelligence,
• Online Certification: NPTEL : Secured ELITE(>60) in Programming Data Structure and Al	gorithm using Python, 2018
• Online Certification: Coursera : SQL for Data Science, 2021	
Online Certification: Coursera : Basic Image Classification with TensorFlow, 2023	
Positions of Responsibility	
Placement Coordinator, CDPC, IIT Ropar	Apr. 2021 - Apr. 2022

MISCELLANEOUS

• Volunteer, College Sports week

• Participate , Cricket tournament and marathon