



Alok Kumar Chaudhary

First Year Master of Technology Student in Electrical Vehicle Technology, EIB Centre, Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi (An Institution of National Importance, Ministry of Petroleum and Natural Gas, Govt. of India)



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Carrier Objective: To ensure a challenging position in a growing organization where I would be able to utilize my capabilities to the best of my ability and in the process add value to the organization and my career.

Experience:

- 1. CSIR-Fourth Paradigm Institute, NAL Belur campus, Bengaluru: Intern** (June 2021 - August 2021)
(Formerly CSIR Centre for Mathematical Modelling and Computer Simulation)
 - Selected under Student Programme for Advancement in Research Knowledge (SPARK)
 - Project Carried out on “ Study of role of modern Technologies for Agricultural Development” under the supervision of Dr K C Gouda, Senior Scientist (Faculty ACSIR), at CSIR- Fourth Paradigm Institute, Bengaluru
- 2. Indian Institute of Technology, Delhi —Summer Fellow** (June 2020 - August 2020)
 - Selected under Summer Fellowship Research Programme, IIT Delhi
 - Project Carried out on “ Design and Analysis of Rail wheel made by Piezoelectric material” under the supervision of Dr Naresh V Datla Associate Professor at the Department of Mechanical Engineering, IIT Delhi
- 3. Indian Institute of Technology, Indore —Intern** (Feb 2020 - March 2020)
 - Selected under TEQIP sponsored Winter Internship Programme, IIT Indore
 - Project carried out on “Fabrication and Characterization of perovskite solar cell” under the supervision of Dr P M Shairage, Associate Professor, Discipline of MEMS, IIT, Indore
- 4. CSIR- Central Institute of Mining and Fuel Research, Barwa Road, Dhanbad—Summer Trainee** (June 2019 - July 2019)
 - Selected under Summer Training Programme, CSIR-CIMFR, Dhanbad
 - Project carried out on “Quality Evaluation of Cage Suspension Gear in Mining” under the guidance of Dr M K Singh, Sr. Principal Scientist, CSIR-CIMFR

Education:

- 1. Masters of Technology (Electrical Vehicle Technology):** August 2021- August 2023
 - EIB, Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi (An Instituion of National Importance)*
- 2. Bachelor of Technology (Mechanical Engineering):** August 2018- August 2021 (76.8%)
 - University College of Engineering and Technology (UCET), Vinoba Bhave University, Hazaribag*
 - Project: (i) Role of CAD-CAM and Automation in Vehicle Safety System
(ii) Gear Train Design using Autodesk Inventor Online Project-based Course by Skyfi Lab in Collaboration with AICTE NEAT 2020
- 3. Diploma in Mechanical Engineering:** July 2015-August 2018 (78.69%)
 - Government Polytechnic, Khutri, Bokaro, State Board of Technical Education, Jharkhand*
 - Project: (i) Finite Element Analysis
(ii) Group Leader of Project on “Good Medical App” presented in Hackfest, organized by IIT (ISM) Dhanbad, 2017
(iii) Development of Science Blog portal [Aryabhatt Science Info](#) and Science-Technology Channel [Aryabhatt Science Channel](#)
- 4. Secondary Education:** March 2013- April 2015 (85.2%)
 - Jharkhand Academic Council, Ranchi*
 - Project: (i) Leader of Project on “Effect of GHG on Nature” invited at National level Children’s Science Congress Organized by NCSTC, Department of Science and Technology Govt. of India, 2015
(ii) Project on “Hydrogen Revolution” invited at State level Science Exhibition and Project Competition 2014
(iii) Project on “Water Cooperation: Issues and Challenges” 1st prize at the district level and selected for State level Science Seminar organized by National Council of Science Museum, Kolkata, United Nation-water etc. 2013

Course Certification:

Year	Certification Name	Certification Provider
2021	NPTEL certification on Basics of Finite Element Analysis : 2021	Dr. Nachiketa Tiwari, Indian Institute of Technology, Kanpur
2021	Fundamental of Data Analytics	Analyttica Datalab with SSC Nasscom
2020	Digital Manufacturing Course: Robcad Basics	Siemens Industry Software Pvt. Ltd. With Design Tech Systems Ltd.
2020	Associate Certificate in Additive Manufacturing	Dassault Systemes
2020	Employability Skill Training Program	Universal Education Bangalore with NPIU MHRD
2019	Essential for Siemens NX Designer (Computer Aided Design Course)	Siemens Industry Software Pvt. Ltd. With Design Tech Systems Ltd.
2019	CAD Course: Synchronous Modelling & Parametric Design	Siemens Industry Software Pvt. Ltd. With Design Tech Systems Ltd.
2019	Computer Aided Engineering Course: Advance Simulation Process	Siemens Industry Software Pvt. Ltd. With Design Tech Systems Ltd.
2019	Computer Aided Manufacturing Course: NC Turning Programming	Siemens Industry Software Pvt. Ltd. With Design Tech Systems Ltd.
2020	Tenth Refresher Course on Materials Preparation & Measurement of properties	Science Academies of India (IASc, INSA, NASI) at Indian Academy of Sciences, Bengaluru
2020	Swayam online course Certification on “Creating a happy and meaningful career”	Indian Institute of Management Bangalore
2020	Kalam Programme for IP Literacy and Awareness Course (15-23 Oct)	AICTE, Institute Innovation Council, Ministry of Education, GOI
	Other Skills:	Origin. MS Office, MATLAB, IOT, NDT

Workshops:

Year	Workshop Name	Organizer
2019	Five Days Workshop on Advance in Materials and Manufacturing Process [AMMP]	Department of Mech. Engineering, UCET, VBU, Hazaribag (TEQIP III sponsored)
2019	5 days' workshop on “Nurturing Startup/ Employability and IPR Skill within Budding Engineers 2019	Institute Innovation Council, UCET, Vinoba Bhave University, Hazaribag
2019	Three Days Industrial Training in Embedded Systems and IoT	IoTPro, Procom Enterprises, Ichalkaranji at UCET, VBU, Hazaribag
2017	10 days Astronomical Telescope Making Workshop (20-29 June 2017)	Vigyan Prasar & National Council of Science and Technology Communication, DST, Govt. of India at Madhya Pradesh Vigyan Sabha, Bhopal
2021	One week workshop on Additive Manufacturing	Department of Mech. Engineering, UCET, VBU, Hazaribag (TEQIP III sponsored)
2020	Online Five Day workshop on Non-Destructive Testing	Arsu Engg College, Anna University, with TWIN TECH Training Institute, Chennai
2020	One week FDP Renewable Source of Energy: A way Ahead	MKSSS Cummins College of Engineering Nagpur with ISHRAE Nagpur Chapter
2018	National Science Teacher's Congress Workshop	DBT, NCERT and Vigyan Prasar (DST) Govt. of India at India International Science Festival 2018
2017	7 th National Science Film Festival and Workshop	NCSM (Ministry of Culture) and Vigyan Prasar (Department of Science and Technology) at BITM. Kolkata

Prize and Award

Year	Prize and Award
2020	Best Exhibit Award in the Toys and Game event of 6 th India International Science Festival 2020 organized by Ministry of Science and Technology, Ministry of Health and Family Welfare, Govt. of India
2019	Best Poster award at Annual Felicitation program of VIPNET Clubs 2018 & 2019, Organized by Vigyan Prasara, Department of Science and Technology, Govt. of India
2019	Sir C. V. Raman Award for Science Popularization By Dateline Agartala Science Academy & Science Writers' Association of Tripura
2018	Dr APJ Abdul Kalam Young Scientist Award 2018 By Raman Science & Technology Foundation, Gujarat (VIPNET Club, DST, GOI)
2015	Child Scientist Award (National Children's Science Congress by NCSTC, GoI)
2015	Gyan Ratna Award for coming in merit in Secondary Examination by Hindustan Daily, Garhwa (Jharkhand)
2015	1 st Prize, District level Science Exhibition, National Secondary Education Mission
2015	1 st in District level Speech Competition, National Secondary Education Mission
2013	Innovation in Science Pursuit for Inspire Research (INSPIRE) Award (Department of Science and Technology Govt. of India)
2012	2 nd place in the Jharkhand state in National Means-cum-Merit Scholarship Scheme Examination 2012-13 organised by NCERT, MHRD, Govt of India & JAC, Ranchi

Conferences:

1. Poster Presentation on "Power regulation and cyber security" in International Conference on Recent Trend in Energy Science and Engineering (ICRTESE 2021) OCT 25-28 2021, virtually organized by Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi
2. Poster presentation on "Energy generation using Nuclear Fusion: A Study" in International E-Conference on Plasma theory simulations 2020
3. Poster presented on "Design and Analysis of Connecting Rod using Nastran" in Engineering Sciences section of 107th Indian Science Congress 2020 at UAS, Bengaluru
4. Poster Presented on "Piezoelectricity a new source of electricity in Railway" in Young Scientist Conference of India International Science Festival 2019, Kolkata by DST, MoES, Ministry of Health and Family Welfare, Govt. of India.
5. Innovative Idea Selected and presented on "Involvement of Young Brain in Space Research Program in "Nav Bharat Nirman, IISF 2019"- A National level Competition for all Indian by DST, MoES, Ministry of Health and Family etc., Govt. of India at India International Science Festival 2019, Kolkata.

Volunteering Activity:

1. Regional Mentor of Change, Jharkhand under Atal Innovation Mission, NITI Aayog, Govt. of India (2021)
2. Coordinator, Aryabhata Science Club, Ranka affiliated to Vigyan Prasara, Department of Science and Technology, Govt. of India (2017)
3. Worked of Science Communication for seven days in Vigyan Samagam at Science City, Kolkata in the project of International Thermonuclear Experimental Reactor (ITER), France organized by Department of Atomic Energy, Department of Science and Technology & NCSM, GOI, 2019

Personal Detail:

Father's Name:	Ramlakhan Chaudhary
Mother's Name:	Sharda Devi
Gender:	Male
Marital Status:	Unmarried
Permanent & Mailing Address:	At+ PO+ PS Ranka, Dist- Garhwa (Jharkhand) India-822125
Language Known:	Hindi, English, Magahi

Declaration:

I hereby declare that the information furnished above is true about my Knowledge.

Date: 15/11/2021

Place: Bengaluru



- Alok Kumar Chaudhary