

# Shubham Kumar Majee

shubhamkrmajee@gmail.com  
LinkedIn : shubham-kumar-majee-b21881209  
+91-7908295815

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## CAREER OBJECTIVE

An aspiring engineer with strong interpersonal and communication skills, having knowledge in digital systems, power electronics, electric drives, backend development and embedded systems. Looking for a role to apply my skills effectively while contributing to innovations in Electrical and Software Engineering.

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## EDUCATION

- **Master of Technology**  
College: National Institute of Technology, Rourkela  
Power Electronics and Drives (Electrical Engineering) *June-2024*  
CGPA: 8.32
  - **Bachelor of Technology**  
College: Jalpaiguri Government Engineering College, West Bengal  
Electrical Engineering *October-2020*  
CGPA: 7.61
  - **Senior Secondary School Certificate**  
School: G.R.K. D.A.V. Public School, Purulia, West Bengal *May-2015*  
Percentage: 88.6%
  - **Secondary School Certificate**  
School: G.R.K. D.A.V. Public School, Purulia, West Bengal *May-2013*  
CGPA: 9.6
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## WORK EXPERIENCE

- Currently working as an **Electrical Engineering Intern** in *Hero Motocorp Limited, Gurugram* starting from 12th August, 2024.
  - Being part of the Research and Development team of a Shared Mobility product of Hero Motocorp Limited, Freedro Rentals, involved in new innovations related to Fleet Management Systems and IoT solutions for tracking vehicles and optimizing battery related issues using battery management systems.
  - Involved in developing a full-fledged, end-to-end, full-stack web application using NodeJS, ReactJS and MongoDB, using which activation, rectification and operations related to IoT devices can easily be done. This application has been built to support and improve the manual work performed by the operations team.
- One year and two months of experience as a **Software Support Engineer** in *WorkIndia, Bangalore* from 16th June, 2021 to 31st July, 2022.
  - Performed data analysis of basic level operations of Fulfillment team using MySQL and MS Excel. Developed APIs for various product features using Javascript with Node.js and Express.js. Provided technical

support and guidance to internal team members for resolving operational issues.

- Facilitated the migration of the entire Sales team to Freshworks CRM and Ozonetel Cloud telephony, including comprehensive training and monitoring, to improve efficiency and data visibility.
- As part of the Tech Support system, contributed to resolving various technology and product-related issues faced by internal team members. Played a key role in the newly developed Refund system, helping to achieve targeted refund goals through an automated and streamlined process, which improved refund TAT. Additionally, contributed to the integration and management of the ticketing system using CRM.

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## TECHNICAL SKILLS

- ❖ **Software Tools** : MS Word, MATLAB/Simulink, MS Excel, Powerpoint, Latex, CRM, Multisim, KiCad, PCB Design
- ❖ **Relevant Courses** : Digital Electronics, Electric Drives, Network Theory, Power Electronics, Switched Mode Power Converters, Embedded Systems, Microcontrollers
- ❖ **General Programming** : Python, Javascript, NodeJS, ExpressJS, ReactJS, MongoDB, Embedded C, SQL, HTML5, CSS3
- ❖ **DevOps Tools** : Git, Docker

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## PROJECTS

1. The main project in M.Tech titled with “Performance Analysis of Traditional and Intelligent MPPT Techniques in PV Systems”, from July 2023 to May 2024.
2. Hardware Project in M.Tech titled with “Three-Phase Inverter using Carrier based implementation of Space Vector Modulation”, from March 2023 to June 2023.
3. The main project in B.Tech titled with “Bus Voltage Enhancement using Shunt Capacitor by Newton Raphson method”, from January 2020 to July 2020.

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## ACHIEVEMENTS & CERTIFICATIONS

- Secured the position of **ELITE** with a score of 69% in *NPTEL online certification course on “Fundamentals of Electric Drives”*, from July 2019 to September 2019.
  - Successfully completed industrial training and achieved the specialization certificate on “*Embedded Systems using ARM7*”, at M.S.M.E. Tool Room, Kolkata from December 2018 to January 2019.
  - Successfully completed the Vocational training and achieved a certificate on “*Power Distribution Systems for 2.0 MTPA Integrated Steel Plant*”, at MECON Limited, Ranchi from June 2018 to July 2018.
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