

Santosh Mourya

Empowering Growth Through Innovation and Expertise

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Quick learner with technical expertise, aiming to contribute significantly to organizational growth.

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Education

- National Institute of Technology Goa** B.Tech, Electrical and Electronics Engineering
August 2020 - May 2024 CGPA: 7.9
 - Electrical Power Generation
 - Control System
 - Electrical Machines
 - Professional Communication
 - Switchgear and Protection
 - Digital and Analog Electronics
 - Linear Integrated Circuits
 - Power Electronics
 - Electrical Transmission and Distribution
 - Power System Analysis
- Shree Damodar Higher Secondary School of Science (Goa board)** Comba, Margao
May 2018 - May 2020 XII Percentage: 75.00
- Holy Spirit Institute** Margao, Goa
Year of Passing: 2018 X Percentage: 83.00

Skills

- Programming Languages:** C++, C, HTML, CSS, JavaScript
- Tools:** Matlab, Pspice, Arduino IDE, Powerbi, Excel, Latex, React.js, Microsoft Office
- Soft Skills:** Leadership, Teamwork, Critical Thinking, Problem Solving

Work Experience

- CSIR-NIO (National Institute of Oceanography)** Goa, India
Research Intern (On-site) May 2023 – Aug 2022
 - Conducted experiments, analyzed data, and designed a controller and observer for the underwater vehicle C-Bot using Matlab. Tested the controller on a simulator.
- SparkPlus Technologies** Mapusa, India
Virtual Part-time Intern (Front-end Developer) Jan 2023 – April 2024
 - Collaborated with the development team to design and implement new features for the "Solo" website. Conducted API testing and manual testing to ensure functionality and user experience.
- Servon Solution Lpp** Rajasthan, India
Virtual Subject Matter Expert (Mathematics) Oct 2021 – Jan 2022
 - Collaborated on a team to create math content for the Brainly app using Brainly CMS Portal and LaTeX. Answered live questions up to the K-12/JEE level.

Projects

- Smart Water Level Controller with Wi-Fi Connectivity and Dry Run Protection:** Developed a smart controller using NodeMCU and Blynk IoT platform for real-time monitoring and pump control.
- Smart Wi-Fi Irrigation System:** Implemented an efficient irrigation system with NodeMCU and Blynk IoT app, optimizing water usage.
- Power BI Projects:**
 - Crypto Currency Analysis:** Analyzed cryptocurrency market trends and dominance.
 - Super Store Analysis:** Created a sales dashboard for growth trends and profitability.
 - Email Campaign Analysis:** Generated insights from email marketing analysis.
 - Maven Space Analysis:** Analyzed space mission data for success and retirement trends.

Courses

- Google Data Analytics Professional Certificate (Coursera) - 8 courses
- Electrical Systems Course by Terry Peterman on Basics of Household Wiring (Udemy)
- Cognitiveclass: PY0101EN Python for Data Science

Hobbies

Trekking, Listening to Music, Cycling, Managing Social Media Pages

Languages

Hindi, English, Konkani, Marathi

Extra-curriculars/Volunteer Work

NIT goa cultural event (Natrang) Coordinator, Training and Placement Coordinator of Batch 2024