



SHOVAN SAMANTA

Material Science & Engineering
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2022PMS5223

M. Tech
Male
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CAREER OBJECTIVE

As an individual who exemplifies both diligence and ingenuity, I aim to bring my unwavering commitment and astute problem-solving abilities to a challenging professional environment. My dedication to achieving both personal and organizational objectives compels me to constantly acquire new knowledge and enhance my capabilities, fostering a path towards optimal efficiency.

EDUCATION

Examination	Board/University	Institute	Passing Year	CGPA / %
Post-Graduation	MNIT Jaipur	MNIT Jaipur	2024	N/A
Graduation	MAKAUT	GCELT Kolkata	2020	7.8
Diploma	WBSCTVESD	CFTC Budge Budge	2017	7.5
10 th	ICSE	St. Michael's School	2013	7.5

KEY PROJECT

BALMER LAWRIE CHEMICAL HOUSE — Post Tanning Effect

(Jul 2019 - Aug 2019)

- Post Tanning process on wet tanned leather
 - Chemical Composition analyses on every stage of process
 - Dye composition analysing
 - Proper penetration of chemical in hides analysing
- Guide** – Jayanta Chowdhury, Mahadev Gayen

LANXESS CHEMICAL HOUSE — Lesser water consumption and water sustainability

(Feb 2020 - Mar 2020)

- Reduction of Salt and Acid in process
 - Reduced upto 65% of total water consumption in traditional process
 - Substitute Lime usage using aromatic based in house product
 - Developed new process to reduce water pollution in leather industry
- Guide** – Gautam Biswas, Mehedi Hussain, Titas Roy

DISSERTATION PROJECT — Thermoelectric parameter evaluations of Half Huesler Alloys through Density Functional Theory.

(2023 - 2024)

- DFT Calculation for Electronic, Optical, Mechanical Properties.
 - **Software** – VASP, Py4Vasp, VESTA, Vaspkit, ORIGIN, Excel, SUMO
 - **Programming language** – Shell scripting, Python, Linux Terminal
- Supervision** – Dr. Nisha Verma (Mentor), Dr. Hrushikesh M. Gade (Co-Mentor)

INTERNSHIP

- Quantum Systems (Sep 2019 - Dec 2019)

Project: Social Audit

Role: Management Intern

Worked on various social audit norms like BSCI, SA-8000, ISO-45001, SEDEX

- Data handling of the companies like Attendance, Payslip, Company Documents etc
- Built an automated MIS excel sheet using Macro
- Worked on more than 12+ audits on various companies

- Innovacio Technologies (Jan 2021 - Mar 2021)

Project: CRM

Role: Backend Developer

A version of CRM based application. Several functionalities were implemented including Purchase, Sales Receipt, different users etc and created API according client requirement.

- Language: Typescript
- Framework: Node.js
- Database: PostgreSQL
- API Testing Kit: Postman

JOB EXPERIENCE

- Modern Business Solution (Apr 2021 - Sep 2021)

Project: ICICI Bank Fastag

Role: Team Leader

It is a Fastag based project based on West Bengal region

- Managed a team of 15+
- Achieved individual target of 1000+ unit sales
- Achieved team target of 15000+ unit sales
- Also worked on B2B model like Kia, Hyundai & Tata

- Arin Meditour Pvt. Ltd. (Oct 2021 - Feb 2022)

Project: Meditourin.com

Role: Project Head

A medical tourism-based start-up based on India.

- Corporate tie-ups with more than 300+ hospital based on India
- Data Handling of Hospitals and Doctors in Excel
- Managed a team of 30+ based on UAE, Bangladesh & India
- Served 118+ patients

- Arin Meditour Pvt. Ltd. (Mar 2022 - Aug 2022)

Project: Bank of Baroda Fastag

Role: Project Head

It is a Fastag based project Based on PAN IndiaManaged a Team of 50+

- Achieved a Sale Target of 12000+ unit salesHandling of data in Excel
- Designed an Excel Based Daily Performance Excel Sheet for Employees
- Also managed Petty Cashbook details in Tally

➤ **Climatech Environment Pvt Ltd**

(August 2023 - Present)

Project: CO₂ Capturing Technology (DAC)

Role: R&D Engineer Trainee

It is a startup based on CO₂ removal technology

- Development CO₂ based removal DAC + CCU methodology
- Detailed Project Reporting and PPT presentation for clients
- Data Automation and Integration on Website
- Website Development and API integration
- Inventory Management of Lab
- Finance Reporting and Estimation of Projects

TECHNICAL SKILLS

- | | |
|---------------------------|---|
| • Programming Languages: | Java (Basic), Python (Intermediate), Visual Basic (Basic), R |
| • Web Languages: | (Basic)HTML, CSS, JavaScript |
| • Platforms: | Windows, Ubuntu, Linux |
| • Frameworks: | Node.js (Intermediate), PHP (Basic) |
| • Database & Analysis | MySQL, PostgreSQL (Intermediate) & MongoDB (Basic) |
| Tool: | MATLAB, Postman, Excel (Advanced), Origin Lab, |
| • Application: | Photoshop, MS Office (Intermediate), Tally (Intermediate),
VASP & COMSOL |
| • Instruments (Hands on): | UV-vis, FL Spectrometry, FTIR, XRD, SEM, TEM, XPS,
Oven Furnace, NMR Spectroscopy, AFM, STM, RAMAN |
| • Designing Software: | Auto-CAD, Adobe Inventor |

SCHOLASTIC ACHIEVEMENT

- Winner of Product Verse
- Runner of Idea Ignite
- Selected for Finals in MNIT MIIC Ideation Challenge and got Certificate
- Selected for FIIT IITD XR Startup Programme Challenge
- Secured Top 8th finalist position in MNITJAA Start-up Challenge and got Cash prize
- Secured 1877th Rank in GATE 2022 Exam
- Secured 2nd & 3rd in Sudoku Competition in GCELT Enginerds 2017 & 2018 respectively
- Secured 505th State All Branch Rank and 1st Branch Rank in JELET 2017 Exam
- Secured 41st State Rank and 1st City Rank in International Mathematics Olympiad 2011 by SOF
- Secured 85th State and 2nd City Rank in National Cyber Olympiad 2011 by SOF
- Won Interhouse Football Tournament 2011, played as defender

POSITION OF RESPONSIBILITY

- Selected as Student Placement Coordinator in MNIT (2023-2024)
- Appointed as Event Admin for MNIT Sphinx 2023
- Hostel Joint Secretary of Hostel 3 MNIT (2023-2024)
- Appointed as Class Representative at Materials Research Centre Department (MNIT) (2022-24)
- Member of Finance Team in MNIT Blitzschlag 2023 (College Fest)
- Member of Organizing Team in GCELT Enginerd 2017, 2018 (College Techfest)
- Member of College Student Union in GCELT 2018, 2019
- Selected as Team Leader in College Project Work (GCELT)
- Elected as Cultural Secretary in CFTC 2017
- Member of College Student Union in CFTC 2016,2017
- Appointed as Prefect in 2011 & 2012 in school
- Appointed as Monitor in 2008, 2009 & 2010 in school

LINGUISTIC PROFICIENCY

- English
- Bengali
- Hindi

ADDITIONAL COURSES

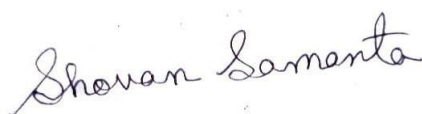
- Closing The Gap Between Marketing & Sales by Udemy
- Excel: An Analytics Superhub by Udemy
- Microsoft Excel - Ultimate Introduction by Udemy
- Introduction to Python by Sololearn
- R Programming by Sololearn

HOBBIES

- Vlogging & Photography
- Exploring Places
- Reading Books
- Playing Ukulele
- Gymnasium

Declaration:

- I hereby declare that all the information provided in this CV is true, complete, and accurate to the best of my knowledge. I understand that any misrepresentation or omission of facts may result in disqualification from the recruitment process or termination of employment, if hired.
- I further declare that I possess the necessary qualifications, skills, and abilities required for the position I am applying for. I am committed to carrying out my responsibilities diligently and contributing positively to the growth and success of the organization.
- I am aware that the selection process may include verification of my educational qualifications, employment history, and other relevant details. I consent to such verification and authorize the company or its representatives to contact any references or institutions to gather the necessary information.
- I also understand that this CV does not constitute a binding contract or offer of employment. Any employment offered will be subject to the company's policies, terms, and conditions, as well as mutual agreement on the terms of employment.



SIGNATURE

**PLACE :
DATE :**