



## JASWANT GOYAL

Bachelor of Technology  
Material Science and Engineering  
National Institute of Technology, Calicut

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🔗 my portfolio

🌐 LinkedIn

## EDUCATION

- **National Institute of Technology, Calicut** May 2024  
*Btech Material Science and engineering* CGPA: 7.21
- **Baba Sugriv Vidhyapeeth Public School, Bharatpur(12th)** April 2019  
*Board of Secondary Education, Rajasthan* Percentage: 91.8
- **Baba Sugriv Vidhyapeeth Public School, Bharatpur(10th)** April 2017  
*Board of Secondary Education, Rajasthan* Percentage: 91

## PERSONAL PROJECTS

- **Development of graphitic carbon from pyrolysis of coconut shell** May 2023  
*Pyrolysis of coconut shell at three different temperatures has been done and material characterization has been done.*
  - Tools & technologies used: Coconut shell powder, Laboratory oven, Tubular furnace, Quartz tube, ImageJ analysis and Origin Software. For characterization SEM, XRD, BET and Raman Spectroscopy was used.
  - No catalyst was used, still percentage of graphitization is promising.
  - ID/IG ratio was sudden increased while pyrolysis temperature was high. SEM analysis shown presence of pores and increasing with the incrementing in pyrolysis temperature. The average pore size distribution surface of the graphitic carbon material was good enough at high temperatures.
- **Tic Tac Toe GamingWorld website** June 2023  
*Hosted a Tic Tac Toe GamingWorld website on GitHub*
  - Tools & technologies used: HTML, CSS and JS
  - Created an interactive and visually appealing Tic Tac Toe GamingWorld game website utilizing tech technology for seamless user engagement and enjoyment.
  - Can be used in any devices, website is responsive.
  - Tic Tac Toe GamingWorld Website Link

## TECHNICAL SKILLS AND INTERESTS

**Skills :** C++, Python, Physical Metallurgy, HTML, CSS, JS, C programming, Semiconductor Nanostructures, SQL, DataBase Management System, OOPS, NodeJS

**Developer Tools :** GitHub, VScode, Google Chrome

**Soft Skills:** Professional communication, MS Word, Excel, Power-point presentation

**Interest :** Materials Characterization techniques, Nanoscience and technology, Management, Operating Systems, Algorithms, Data Structure, Web Development, Sports

## TRAINING

- **Full Stack Web Development** Feb 2023  
*Pre-Ragam Workshop*
  - 2 days Bootcamp.
  - Mainly focused on HTML, CSS, JS and DOM API, NodeJS, RestAPI Testing, GitHub, and Deployment.
  - Certificate was also provided.
- **CPP course** July 2023  
*Coursera*
  - Online program teaching concepts of programming using CPP. Provides experience in basic CPP, Object Oriented Programming, STL, Files and Advanced CPP

## ACHIEVEMENTS

- **100+ Questions on GeeksForGeeks** | Problem-solving, Data structure and Algorithm
- **Level-7 on codingninjas** | under Master League and college rank under 10
- **5 star on Hackerrank** | C, C++ and Python

## LANGUAGES

- **English** professional working proficiency
- **Hindi** full professional proficiency