

# CURRICULUM VITAE

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## SURYAJEET KUMAR SINGH

Project Coordinator (Design & Patent)

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D.O.B.: 18-Jan-1995

Current Location: Ghaziabad, UP

Permanent Location: Ballia, UP

### SUMMARY

- Currently Having 3+ years of experience in Production Planning and control, Product Design & Patent and Project management.
- Contribution in establishment of new vertical in organization.
- Experience in Project Planning, monitoring the project progress, preparation of regular reports and metrics regarding the status of each build, coordination with customer.
- Participation in innovative project/ideas in organization.
- Work cross- functionally with other departments to ensure organizational objectives are met.
- Experience of Developing Mechatronics Systems.
- Knowledge of GD&T, Conventional and Unconventional Manufacturing Operations.
- Experience in Composites specially Carbon Fiber composites.
- Conducted in-depth analysis of international patent applications from leading companies, assessing technological innovation, and performing comprehensive patent examinations, including citation of relevant documents, comparative analysis with prior art, and rendering patentability decisions.

### EDUCATION

- M. Tech** in ME (Machine Design) Years of Study 2022-2024 (Pursuing)
- Institute: GITAM Jhajjar Haryana
  - University: Maharshi Dayanand University Rohtak Haryana
  - Socre\_\_79.4% (Aggregate of 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Sem)
- B. Tech** in Mechanical Engineering (ME) Years of Study 2013 – 2016
- Institute: Krishna Institute of Engineering & Technology, Ghaziabad
  - University: APJ Abdul Kalam Technical University
  - Score\_\_66%
- Diploma** in Mechanical Engineering (Prod.) Years of Study 2009 – 2012
- Institute: Government Polytechnic Kanpur, UP
  - Score\_\_70%
- Matriculation (10th)** Years of Study 2008 – 2009
- Board: U P Board
  - Score\_\_73.67%

**Gate 2022** Qualified with good score

### EXPERIENCE

ORGANIZATION: Carbon Light Pvt. Ltd. Experience: July 2021 – July 2023

Designation: R&D Engineer

Department: Design & Development.

#### KEY RESPONSIBILITIES:

- As a research and development (R&D) engineer creates new, and refines existing, products and technologies through a process of researching, designing, experimenting and testing.
- Perform a full lifecycle of product development from Concept stage (Design, Development, Manufacturing, Integration, Testing and Validation)
- Meeting with other departments to discuss product concepts.
- Perform various Design Calculations by applying engineering concepts.
- carrying out market research to analyse similar products and their functions & understanding the marketing requirements for a product.

- BOM and Technical Documents (PPAP, APQP, Control Plan, Process Sheet, OPL, Project Report) Preparation.
- Conduct experiments methodically, analyze data, interpret results and produce effective solutions to emerging problems in Testing Phase of the system.
- Coordination with suppliers and third part activities.

#### Projects:

1. Develop new balancing techniques of CF roller.
2. Design & development of CF Flywheel which is part IIT Delhi Project.
3. Design & Development of Half-Ring which is use in medical sector.
4. Invent new technique of curing process of carbon fiber Roller.
5. Additionally, there is confidential assignments which cannot be disclosed here due to their sensitive nature like DRDO, BEL.

ORGANIZATION: Quality Council of India

Experience: August 2023 – April 2024

Designation: Project Coordinator

Department: Intellectual Properties Rights (Design & Patent)

Key Responsibility:

- Conducted in-depth analysis of international patent applications from leading companies, assessing technological innovation, and performing comprehensive patent examinations, including citation of relevant documents, comparative analysis with prior art, and rendering patentability decisions.
- Provided daily progress reports to Controllers of Design and Patents and maintained data sheets to document work updates.
- Review of Pre-Grant, Refusal and Granted application before its disposal and grant respectively.
- Preparation of various documents like hearing notices, refusals, and grant orders.

#### ACADEMIC PROJECTS

SOLAR REFRIGERATION SYSTEM:

(Team Strength-4)

- Aim: To develop setup for creating Refrigeration effect by using Peltier module.
- Role: Design and Fabrication

CUTTING MACHINE:

(Team Strength -3)

- Aim: To design and fabricate a Foot Drive Hacksaw Blade.
- Mechanism: Slider Crank Mechanism.
- Role: Design and Fabrication

#### Key Skill

- Ability to learn and adapt.
- Innovative thinking.
- Collaboration, communication and teamwork skills.
- Analytical and critical thinking.
- Problem solving.
- MS Office Programs
- Respect and understanding for procedures and standards.
- Time management.
- Leadership skills.
- Documentation

#### Professional Attributes

Mother Name: Vimala Devi

Father Name: Rajendra Prasad Singh

Nationality: Indian

Language Known: Hindi (Native), English (Advanced)

Address: Village - Jigirisand, Post- Jigirisand, Distt- Ballia, UP, 277302

I hereby declare all the information mentioned above is correct as per the basis of my knowledge and belief.

Suryajeet Kumar Singh