



**Yogesh R Jangid**  
Industrial Engineering and Operation Research  
Indian Institute of Technology Bombay

23M1530  
M.Tech  
Male

Examination	University	Institute	Year	CPI/%
Post Graduation	IIT Bombay	IIT Bombay	2023-25	8.66
Graduation	NIT Jalandhar	NIT Jalandhar	2014-18	6.59
Intermediate/+2	HSC	KVM Sikar	2011-13	82.00
Matriculation	SSC	JNV Hurda, Bhilwara	2011	8.00

#### CURRENT PROJECTS

- **Simulation of Runway Operations | IE 630 | (Guide: Prof. Jayendran Venkateswaran)** (Jan'23-May'23)
  - To simulate the landing and take off of airplanes on a single runway of Mumbai airport at a time
  - To understand the waiting time of incoming and outgoing airplanes in an airport due to unforeseen delay reasons
- **Transfer Learning in Survival Analysis via Transfer-Cox | IE 506 | (Guide: Prof. P. Balamurugan)** (Jan'23-May'23)
  - To transfer knowledge from the source domain to the target domain where the number instances are very less
  - The existing model was implemented in Python and results were reproduced on synthetic as well as actual data

#### SEMINAR

- **Seminar on branch and bound algorithm for Capacitated Vehicle Routing Problem** (M.Tech Seminar (Ongoing) | Guide: Prof. Avinash Bhardwaj) (Jan'23-May'23)
  - To find efficient routes for given vehicles with limited capacity to serve customers, minimizing the total distance
  - To present a seminar from a research paper using a branch and bound algorithm to find guaranteed optimal solution of Capacitated Vehicle Routing Problem on a one way directed paths

#### WORK EXPERIENCE & INTERNSHIPS

- **Engineer | Lakshmi Machine Works- Machine Tool Division | Ahmedabad** (July'18-March'19)
  - Worked as a field engineer in customer service department, looked over new machine installation, technical breakdowns, CNC programming and regular maintenance of lathe and milling CNC machine tools on ground level
  - Identified two design criticalities in CNC lathe in order to improve the serviceability and better functioning
- **Internship | Suzlon Energy Limited | Jaisalmer** (June'17-July'17)
  - A six week internship in the maintenance department of manufacturing unit of 54 m router blades of wind turbine
  - Successful Kaizen: ventilated a totally closed repairing room with a nearby AC room with the help of exhaust fan
  - Suggested a better method to make china clay strips used in the manufacturing process of a router blade shells

#### PROJECTS

- **CFD Investigation of Micro Cavity Shapes to Delay Cassie-Wenzel State Transition (BTech Project)** (Jan'18-May'18)
  - The physics of cavity shape was analyzed in order to reduce the pressure drag in the micro-channel
  - For different cavity shapes i.e. square, trapezoidal, triangular, rectangular (horizontal), rectangular (vertical), the results obtained shows that the triangular cavity gives the best desired delay in Cassie-Wenzel state transition.
- **Solar Pesticide Sprayer (BTech Project)** (July'17-Dec'17)
  - The working model of pesticide sprayer was made using solar panel, battery for power storage and an electric pump, with the advantage of reduced vibrations and low operating costs

#### TECHNICAL SKILLS & COURSES

- **Key Courses:** Operations Research, Mathematical Optimization, Engineering Statistics
- **Programming & Scripting Languages:** C, Python, Fortran
- **Tools & Libraries:** MATLAB,  $\LaTeX$ , Pandas, Numpy, Excel

#### POR & EXTRA-CURRICULARS

- **Interview Co-ordinator** at IIT Bombay (Dec'23)
  - Invigilation of aptitude tests for placement team and conducted interviews during placement session
- **National Cadet Corps (NCC)** (Aug'14-Dec'17)
  - Completed C and B certificates of senior division from 21-Punjab Battalion NCC Kapurthala with best grades
  - **Sergeant** of collage NCC cadet group, led the collage republic day and independence day parade
- **Event Organiser | NIT Jalandhar** (March'16)

- Worked in the registration society and managed participants of the collage cultural festival **Utkansh**
- **National Integration Camp** | Rourkela, Odisha *(Dec'16)*
  - Chosen from nationwide applicants to participate in National Integration Camp, using leadership and teamwork
  - Successfully completed a 12 days of National Integration Camp organised by Indian Army once in a year