ABHIMANYU SHARAN

B. Tech in Mechanical Engineering
PES University, Bangalore
Contact: *+91 9611974574*   E-Mail: *abhimanyu.sharan@gmail.com*
LinkedIn: https://www.linkedin.com/in/abhimanyu-sharan/
Address: *#D-214, Raja Aristos, Doddakamanahalli Main Road, Off Bannerghatta Road, Bangalore, Karnataka.*   Pincode: *560076*
Date of Birth: *5th May 1996* (Age: *24*)

SKILLS AND INTERESTS

PROGRAMMING LANGUAGES

- *Python*
- *MATLAB*
- *Basics of C++, JAVA and C*
- *HTML, CSS and JavaScript*

NUMERICAL COMPUTING

- *Finite Element Method*
- *Computational Fluid Dynamics*
- *ANSYS Structural Basics*

COMPUTER AIDED DESIGN

- *Siemens NX with Expressions and PTS*
- *Siemens Solid Edge basics*

OTHERS SKILLS

- *Web development (Django)*
- *Agile methodologies*
- *Teamcenter*
- *Machine learning algorithms*
- *Data Science*
- *Microsoft Office (Word, Excel)*

EXPERIENCE

➢ RECOUP Neuromusculoskeletal Rehabilitation Centre
Ergonomic Consultant and Manager, Corporate Services | Apr 2020 - Present

- Currently working in the field of Ergonomics directly under the guidance of Dr. Deepak Sharan
- Working as Manager of Corporate Services in RECOUP
- Member of Indian Ergonomics School, the Indian Affiliation of EPM International Ergonomics School

➢ Weir Minerals India
Design Engineer | Weir EnSci, Bengaluru | July 2018-Mar 2020

- Learnt about the different equipments used in mineral processsing plant such as crushers, screens, conveyors and worked on designing their respective structures
- Member of the engineering automation team - Experienced with Product template studio on NX
- Used expressions-based approach to form 3D modelled Modular skids

➢ Toyota Industries Engine India
Intern at Cylinder Head Machining Line | TIEI, Jigani, Bengaluru | June-July 2016

- Detailed observation of different manufacturing processes done in CNC Machines
- Learnt the safety measures to be taken in the engine plant
- Identified problems and suggested solutions in the line
- Project reported on measures to reduce coolant leakages in the production line

EDUCATION

B. Tech: PES University, Bengaluru
Mechanical Engineering | 2014-2018 | CGPA-9.07

Class 12: AECS Magnolia Maaruti Public School
CBSE Board | Bengaluru | 2012-2014 | 86.7%

Class 10: Sri Kumaran Public School
ICSE Board | Bengaluru | Class of 2012 | 89%

PROJECTS

1. **Analysis and Optimization of Heat Exchangers**
   Final Year B.Tech Project (Oct 2017-May 2018)
   Numerical Analysis using FEM and Optimization using various techniques on MATLAB.
2. **Coolant Spill Reduction:** *Internship Project at Toyota (June-July 2016)*
   Methods suggested to reduce coolant leakage from CNC machines in Cylinder Head Line
3. **Ball Shooting Mechanism:** *First Year B. Tech Project (Aug-Nov 2014)*
   Use of Arduino board with ultrasonic sensor and DC motor to shoot a ball into a basket at varying distances

ACHIEVEMENTS & EXTRA COURSES

- Presented a part of my final year project in a conference held at in IISC Bangalore and have also published a journal paper.
- Received a University rank holder medal (branch rank: 6) during my bachelor's degree
- B.Tech specialization in **Thermo-Fluids** domain
  Electives: Turbomachines, I.C. Engines, Power-plant Engineering, Computational Fluid Dynamics, Jet and Rocket Propulsion, Refrigeration and Air Conditioning
- Certificate course on **Mechanical Vibrations Analysis using Computing Techniques** on MATLAB
- B.Tech Minors in the field of **Electronics and Communication**
  Subjects: Instrumentations, Analog and Digital Electronics, VLSI Design and Communications Engineering
- **Prof. CNR Rao Merit Scholarship** (4 times) and cash awards for obtaining "*First Class with Distinction*" during each year in B. Tech (2014-18)
- **Star Team Member Award** at Weir EnSci for completion of structure design of Jaw Crusher and Vibrating Grizzly modules.
- Completed online courses in fields of **web development** and **data science**- Python for everybody, Django for everybody and Applied Data Science Using Python. Currently enrolled in Machine Learning using MATLAB
- HackerRank skill certifications in Problem solving, Java, Python and Javascript. Solved multiple challenges too.
- Completed **CEAS III certification** from The Back School, Georgia and **Certificate Course in Workplace Ergonomics** by Sri Sri University. Also enrolled in **Ergonomics Workplace Analysis** course on SWAYAM-NPTEL.