


VINAY V. NANDURDIKAR

Mechanical Engineer with masters in Thermal Sciences and Energy Systems


PERSONAL

Birthday : 16th April 1994
Nationality : Indian
Languages : English, Hindi,
Marathi

CONTACT

 +91 876 702 7941 /
+91 963 294 8523

 nandurdikarv@gmail.com

 www.linkedin.com/in/vinay-
v-nandurdikar

SOFTWARE

PTC CREO
SOLIDWORKS
AUTOCAD
ANSYS (Thermal, CFD)
MS OFFICE SUIT
C and C++

ACHIEVEMENTS

National Level Carrom player

Represented Maharashtra twice in
National level

**Excellence, Efforts and
Achievement Award in T.Y.M.E. by
Sandip Foundation.**

Tabla Proficiency Exam

Achieved first class in Tabla proficiency
exams (level 1 and 2) conducted by
Akhil Bhartiya Gandharva
Mahavidyalay, Mumbai

PROFILE

I have proven good academic track record with industrial work experience, mainly worked in mechanical design, thermal and CFD analysis projects. I have also worked in IIT, Bombay and then in a startup where I was involved in product development.

EDUCATION

Master of Technology in “Thermal Sciences and Energy Systems”

Manipal Institute of Higher Education, Karnataka 2017-19
CGPA – 7.08

Bachelor of Mechanical Engineering

Savitribai Phule Pune University
NDMVP's KBT College of Engineering, Nashik 2012-15
Final Year Percentage – 62 %

Diploma in Mechanical Engineering

Maharashtra State Board of Technical Education
Sandip Polytechnic, Nashik 2009-12
Final Year Percentage – 84.30 %

Secondary School Certificate

Maharashtra State Board
Rachana Vidyalaya, Nashik 2008-09
Percentage – 93.69 %

EXPERIENCE

Mechanical Engineer

GTarang Energy Solutions, Mumbai Sept' 19 - Present

- Responsible for 3D drafting / designing for biomass furnace
- Performed thermal analysis (in-house/ onsite) for biomass furnace product.
- Actively participated in prototype development from scratch

Mechanical Engineer Scientist - Intern

Indian Institute of Technology, Bombay (IITB) June' 19 – Sept' 19

- Conducted on-site necessary surveys for identifying agriculture related issues.
- Identified the problem related to efficiency of jaggery furnace and did literature surveys for all possible solution.
- Performed thermal and CFD analysis.

Mechanical Design Intern

Bit Mapper Integration of Technologies Pvt. Ltd., Pune May' 18 – Apr' 19

- Involved in research and development activity of mechanical department

EXTRACURRICULAR

Referee and Sport Event Organizer

Maharashtra Carrom Association |

www.mahashtracarromassociation.com

- Worked as a Referee for Maharashtra Carrom Association and Nashik District Carrom Association
- Organized and adjudged over 10+ Carrom tournaments

Book Reviewer

- Active member of Kusumagraj Pratishthan Vachnalaya, Nashik and <https://www.goodreads.com/user/show/65775581-vinay-nandurdikar>
- Reviewed 15+ books.

- Assisted and supported for 3D drafting / designing for electronic enclosure product design
- Assisted in various design related activities like BOM creation, drawing, drafting/ designing, design interpretation
- Performed CFD and Thermal analysis of electronic components and enclosure
- Explored Opensource software's, Introduced Salome for Meshing, Elmer for Thermal Analysis and Calculix for Structural Analysis
- Coordinated with other department for new product development activity of electronic packaging.

Junior Engineer

Feb' 16 – Oct' 16

Boost Electronics, Nashik

- Assisted and supported for 3D drafting / designing for electrical panel product
- Assisted in various design related activities like BOM creation, technology adaptation, cost estimation.

PROJECTS

Design and Analysis of Electronic Chassis for Airborne Application

May' 18- March' 19

- Designed and manufactured the electronic chassis for military application.
- Performed thermal analysis and thermal modelling of PCB cards and electronic enclosure in opensource FEA software's, Ansys fluent and Ansys Icepack.

Design of Heat Exchanger

Jan' 18 – March' 18

- Designed Shell and Tube Heat exchanger using mathematical methods such as Bell-Delware.
- Calculated pressure drop across shell and tube side.
- Determined the flow area, fin efficiency, number of tubes, etc.

CFD Analysis of Heat Pipe

Aug'17 – Nov' 17

- Presented review papers related to the numerical analysis of heat pipe.
- Determined the research gap.
- Performed CFD analysis and presented results.

Design and Manufacturing of Electronic Panel for ONGC Project

Apr' 16 – July' 16

- Studied the ONGC customer requirement for the project.
- Designed the enclosure in Auto-CAD software.
- Coordinated with the team for manufacturing operations such as welding, punching, finishing, etc.