**TEJAS VIRENDRA BHAGWATKAR**

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# CAREER OBJECTIVE:

Seeking for an opportunity as CFD Engineer in CAE domain in leading and progressive

organization.

# ACADEMIC PROFILE:

* MTech in Mechanical Engineering (CAD/CAM) from Vellore institute of technology Vellore, Vellore University with 82%
* B.E. in Mechanical Engineering from Walchand institute of technology Solapur, Solapur University with 72.3%
* Intermediate passed from New English Jr College, Wardha, Maharashtra, India with 73.8%.
* Matriculation passed from Bhavans Lloyds Vidya Niketan Wardha, Maharashtra, India with 8.4 CGPA.

# ACADEMIC PROJECTS:

**MTech Project Name:** Numerical Analysis and Validation of Centrifugal pump.

* + **Duration:** 1 year
  + **Tools:** Solidworks, ANSYS.
  + **Role:** By using CFD techniques analysis and Validation of centrifugal pump is done for different head with different mass flow rate.

**B.E Project Name:** Design and Analysis of Automatic Seed drill.

* + **Duration:** 8 months.
  + **Tool:** CATIA, ANSYS.
  + **Role:** To designed the automatic seed drill in software, also we did modification in it to make it better product and reduced human effort by automatic sowing of seed into plough rows. This project was sponsored one.

# INTERNSHIP

**Name of organization:** ZEUS NUMERIX PVT LTD

**Company Profile:** Present company is a leading firm engaged in engineering design and end-to-end simulation products in the field of Computational Fluid Dynamics (CFD), Computational Electromagnetics (CEM), Dynamics and Control (D&C), and various other simulation tools for design.

**Location :** Pune (MH-INDIA)

**Designation :** Project Trainee, from July 2019 to till now

# TASK ASSIGNED/ PROJECTS IN Zeus Numerix Pvt Ltd:

## Numerical Analysis and validation of 40 TPH SUBMERSIBLE PUMP.

* Conceptual Design of MRF using Advanced SOLIDWORKS and Spaceclaim.
* Works with engineering team to perform CFD/FEA simulation and design optimization in support of development of components.
* Preliminary Analysis of pump parts like impeller, diffuser, volute casing of pumps using Space claim software and CFD analysis in ANSYS software and OpenFoam.
* Analysis & debugging of data files obtained from ANSYS fluent.

## OTHER PROJECTS:

1. CFD Analysis rooftop solar panel.
2. CFD Analysis of discharge of chiller located in a narrow alley.
3. CFD Analysis of shell and tube heat exchanger.
4. Flow optimization of 40 TPH pump**.**

# AREA OF INTEREST:

* Computer Aided Design and Engineering
* Computational Fluid Dynamics
* Analysis and development of Shell and Tube Heat Exchanger
* Pump Analysis

# IT FORTE:

* Microsoft office including Word, PowerPoint, Excel.
* Tool Software: CATIA V5, Star -CCM+ 13.06, Solidworks, Auto Cad, ANSYS19.3, Open Foam, Hypermesh, MATLAB.
* Languages: python.

# SKILL SETS:

* Excellent team player with strong analytical and leadership skills
* Adaptable and Quick learner
* Possess skills to work under pressure
* Ability to analyze data and situation and come up with creative solutions.
* Interact with mechanical designers and product engineers during product development to provide best engineering practices and processes.

# BEYOND CURRICULUM:

* Completed Hypermesh course (3 months).
* Passed GATE 2018 as ME domain.

# DECLARATION:

I, Tejas Virendra Bhagwatkar declare that all the details furnished above are true to best of my knowledge.

DATE:

PLACE: Pune **(TEJAS VIRENDRA BHAGWATKAR)**