MAYUR VISPUTE

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Address: Deshpande Lane, Near Ram mandir, Chalisgaon, Dist.Jalgaon - 424101.

CAREER OBJECTIVE

To be a part of an organization where I can fully utilize my skills and make a significant contribution towards the success of the employer and at the same time my individual growth.

RESEARCH INTERESTS

- Algorithm development for CAD software
- Algorithms development for fabrication of freeform components through additive manufacturing
- Computational Geometry
- Geometric Modelling
- Computer Numerical Control Machining

EDUCATIONAL QUALIFICATION

Course	Institute / Board	Year of Passing	Remarks
M.Tech (CAD/CAM)	PDPM IIITDM, Jabalpur	2018	8.9 (CPI)
B.E.(Mechanical)	MMIT, Lohgaon, Pune (SPPU)	2015	64.12%
XII	Jawahar Navodaya Vidyalaya, Jalgaon (CBSE)	2011	73.6%
X	Jawahar Navodaya Vidyalaya, Jalgaon (CBSE)	2009	86%

TECHNICAL SKILLS

- Programming skills: C#, C, C++, MATLAB
- Software skills: SolidWorks, SpaceClaim, CATIA, AutoCAD, CNC Simulator, Magics

TRAINING DETAILS

- Completed certified 'C' language course from 'UNITED INSTITUTE OF COMPUTER TECHNOLOGY' during academic year 2008-2009
- Participated in the workshop on "Computer Programming and APP Development using MATLAB" at PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, India. Oct 10- 14, 2016

PROJECTS

- ➢ **Academic projects (M.Tech)**
- Thesis Title: '*Studies on part finishing strategies in hybrid additive-subtractive processes*'
- Mini Project Title: *'On reduction of data redundancy in STL file by Generating Higher Order Polygons'*
- Course Project Title: *'Generation of Common Layer Interface (CLI) file and raster fill for CT scan image'* in Rapid Product Development Technologies
- AlfaTKG funded project (under Indo-Japan collaboration): *'Generation of 4D-PHD document from CAD model'*
- ➢ **Course projects (B.E.)**
- Project Title: *'Optimization of combine Savonius and Darrieus Vertical Axis Wind Turbine'*
- Seminar Title: *'Installation effects on ultrasonic flowmeter'*

ACCOLADES

- Recipient of JENESYS fellowship in which got opportunity to visit leading industries and academic institutions in JAPAN during 24th-31th Oct., 2017, fully funded by govt. of JAPAN
- Secured 1st rank in mechanical engineering discipline for academic year 2016-2017 and 2017-2018 of M.Tech(CAD/CAM)
- Awarded by 1st notional prize at PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, India for academic year 2016-2017

STRENGTHS/SELF ASSESSMENT

- Dedicated and Determined Mechanical Engineer
- Leadership quality
- Introspection
- Capability of Multitasking and work under pressure

PUBLICATIONS

- **Vispute, M.**, Kumar, N., Jain, P. K., Tandon, P. & Pandey, P.M. (2018). On the Surface Finish Improvement through Hybrid Additive Subtractive Manufacturing Process. **Published** in 3rd International Conference on Innovative Design, Analysis & Development Practices in Aerospace and Automotive Engineering. Chennai, 22-23 February 2018 (Paper ID-IDAD2018/94).
- **Vispute, M.**, Kumar, N., Jain, P. K., Tandon, P. & Pandey, P.M. (2018). Shrinkage Compensation Study for Performing Machining on Additive Manufactured Parts. **Published** in 8th International Conference on Materials Processing and Characterization. Hyderabad, 17-19th March 2018 (Paper ID-567).
- **Vispute, M.**, Kumar, N. and Jain, P. K. (2018). On reduction of data redundancy in STL file by Generating Higher Order Polygons. **CAD Conference**. (Under review: Submission ID-26).

EXTRA-CURRICULAR ACTIVITIES

- Delivered invited talk in '3D Printing workshop' twice during Abhikalpan at PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, India. March 09-10, 2018 and March 01-02, 2019.
- Volunteered in "Design Workshop (DeW)" at PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, India. Dec 12- 14, 2016.
- Participated in IEEE research poster competition held at PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, India. Oct 3, 2017.
- Participated in ID-2D and ID-3D event in MINDSPARK held at COE, Pune.

HOBBIES

- Playing volleyball
- Swimming

EXPERINCE

- Software Development Engineer at alfaTKG India Pvt. Ltd., Chennai(Aug 01,2018 – Sept 2021)(3 Years).
    - Worked on C# for creating addins on SpaceClaim and SolidWorks
    - Worked on kernel(C# language) and viewer
    - Worked on transformation matrix for part and assembly side
    - Worked on angular for web development
    - Worked on various button addition in viewer side in angular
    - Worked on creating various geometries in viewer

- Software Development Engineer at VJCS, Pune(Oct 2021 – Present)
    - Worked on C++ project for command creation for CAD software
    - Worked on MFC and Win32 project
    - Worked on algorithm development for custom curve edit commands
    - Worked as mentor for viewer angular project

DECLARATION

I hereby declare that the above mentioned information is true of my knowledge and I bear the responsibility for the correctness of above mentioned particulars.

Place: Chalisgaon
Date: Mayur Vispute