

# ASHUTOSH VASHISHTHA

Design Application Engineer



Shakari Nagar Chiranjeev Vihar, Ghaziabad



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## Biography

A recent Technical Mechanical graduate who is keen to find a position as a Design application Engineer. Currently employed in an associate role with a specialist CNC & SPM's manufacturing firm. Through this position now having a good understanding of what's client's requirement in the business. Have also gained considerable knowledge and understanding of how to build relationships with clients, and to meet their desired requirement using designing skillset.

## Employment History

Precitech Machines and Automation

Duhai Industrial Area, Ghaziabad, since Jan 16- till date

## Work and Responsibilities

- Review blueprints of products and plan cutting methods and thereafter designing machine according to the required application.
- Designing of machines as per the costumer application & requirement.
- Using computer-aided design (CAD) and computer-assisted engineering (CAE) software to create prototypes.
- Calculate correct cost estimates, and interpret plans and specifications & preparation of BOM.
- Research and contribute in improving production processes.
- Provides engineering support.
- Troubleshoot costumer problems.
- Provide status of ongoing projects and future projects.
- Travel to project sites to preform start-up, integration, and training services.
- Exceptional knowledge of Machine Tool programming and program modification.
- Conduct application engineering on CNC machine, SPM's and Automation.
- Good understanding of machining methods, geometric conditions, CAD/CAM software, and measuring instruments.

## Technical Skill set

- Good understanding of 2/3d software (AUTOCAD, AUTODESK INVENTOR, SOLIDWORKS,CATIA)
- Automations of existing machines using 2d/3d CAD software
- Sound knowledge of designing tool/software
- Innovating and designing of new machines as per the application.
- Solution Architect for designing and R&D team in the development of new product.
- Experience with CNC controls and computer applications
- Experience in industrial automation& applications
- Strong machining background with CNC machine experience
- Excellent knowledge of machines setup and operation
- Skilled in cutting techniques and troubleshooting techniques

## Academics

### Professional Qualification

#### **B.tech** (*Bachelors of technology*)

H.R INSTITUTE OF TECHNOLOGY, Ghaziabad

Dr. A.P.J KALAM TECHNICAL UNIVERSITY

2012-2016

#### **Intermediate Examination**

DEHRADUN PUBLIC SCHOOL

Central Board of Secondary Education

2011-2012

#### **High School Examination**

INGRAHAM INSTITUTE ENGLISH SCHOOL

ICSCE

2008-2009

### CAREER PLANS

- ✓ To get M.TECH degree (with product designing)
- ✓ Short term: - To comply with respective Organization.
- ✓ Long term: - To attain top level designation in a reputed Organization.

### COMPUTER KNOWLEDGE

- ✓ Compatible with windows 8, 7, & XP.
- ✓ M.S. Office (Outlook, Excel, Word, PowerPoint).

### PERSONAL DATA

Name : Ashutosh Vashishtha  
Father's Name : Late Shri Pramod Kumar Vashishtha.  
D.O.B : 18, January, 1993  
Gender : Male

### DECLARATION

I hereby declare that all the statements made above are true, complete and correct to best of my knowledge and belief.

Ashutosh Vashishtha

( )

Date:-.....

Place:-.....

## Representative Projects:

- 1) Designing, Modeling, Detailing & Installing And Commissioning Of **Clutch Plates Autoloader**
  - a. Title: Complete Designing of Clutch Plates Loader.
  - b. Software Used : Autodesk Inventor 2015
  - c. Role :Application Design Engineer
  - d. Company : Precitech Machines And Automation
  
- 2) Designing, Modelling, Detailing of **Multi Spindle Bolt Tightening Machine**
  - a. Title: Complete Designing of 6 Spindle bolt Tightening Machine
  - b. Software Used: SolidWorks 2015
  - c. Role: Design Engineer
  - d. Company: Precitech Machines And Automation
  
- 3) Designing, Modelling, Detailing of **CNC Angular plunge & Straight Plunge Grinding Machine for Crank Shaft Grinding.**
  - a. Title: Complete Designing of Machine
  - b. Software Used: SolidWorks 2015
  - c. Role: Co-coordinator & Team Member of Designing Team
  - d. Company : Precitech Machines And Automation
  
- 4) Designing, Modelling, Detailing of **Drilling SPM for Crank Shaft Oil Holes Drilling, Counter shaft & Balancer shaft & Brake Disc**
  - a. Title: Complete Designing of Machine
  - b. Software Used: SolidWorks 2015
  - c. Role: Co-coordinator & Team Member of R&D Team.
  - d. Company : Precitech Machines And Automation
  
- 5) Designing, Modelling, Detailing of **CNC Cam Milling Machine.**
  - a. Title: Complete Designing of Machine
  - b. Software Used: SolidWorks 2015
  - c. Role: Co-coordinator & Team Member of R&D Team
  - d. Company : Precitech Machines And Automation
  
- 6) Designing, Modelling of **Automation on existing machines.**
  - a. Title: Complete Designing of Modification And Automation on Existing Machines.
  - b. List of Machines: Broaching Machine, Outer clutch drilling Machines, clutch Plates Grinding Machine, outer Hub Drilling Machines And their Auto Loading.
  - c. Role: Application Design Engineer
  - d. Company: Precitech Machines and Automation.