

PRANAV KULKARNI

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CAREER OBJECTIVE

Entry-level Mechanical Engineer with strong foundations in CAD design, structural analysis, material selection and manufacturing processes. Seeking an opportunity to contribute to innovative engineering projects while building expertise in product development, analysis, and emerging technologies.

SKILLS

- Design Tools: SolidWorks, fusion 360, CATIA.
 - Analysis Tools: 3DEXPERIENCE.
 - Manufacturing: Machine operation, Welding, CNC machining, CAD/CAM design, robotics, Inspection Tools.
 - Productivity: MS Word, MS Excel.
 - Soft Skills: Problem-solving, Team Collaboration, Time Management.
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EXPERIENCE

❖ PRAKASH HOME INDUSTRIES PVT LTD.

- Gained practical knowledge of manufacturing and machining processes
- Learned about Radial Drilling Machines, Milling Machines, and other machine tools.
- Observed working of CNC, VMC, HMC, VTM, VTL and conventional machining.
- Understood the basics of tooling, fixtures, and production planning.
- Learned about the quality control and dimensional inspection of the parts .
- Understood about the engineering drawings, tolerances, and the dimensional symbols of the engineering drawings.

❖ AKP FERROCAST PVT LTD.

- Worked on a manufacturing process improvement task
- I had Gained hands-on experience in manufacturing and casting processes
- Applied academic knowledge to real industrial applications
- Worked in multiple departments: Casting, Machining, Quality Control, and Pattern Shop
- Learned quality inspection techniques and paint shop operations
- Understood overall industry workflow and functioning
- Improved teamwork and coordination skills

- Developed discipline and professional work ethics
 - Enhanced time management skills
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PROJECTS

❖ Single Motor Double Door Opening Mechanism

- Designed and developed an automated double-door system using a single servo motor and mechanical linkage
 - Implemented sensor-based operation (IR/Ultrasonic) with Arduino for automatic door control
 - Reduced power consumption and cost compared to conventional dual-motor systems
 - Achieved smooth, synchronized door movement with improved efficiency and reliability
 - Suitable for applications in malls, hospitals, offices, and smart infrastructure
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EDUCATION

Bachelor of Engineering in Mechanical Engineering | KLS Gogte Institute of Technology, Belgaum | Batch: 2027

GSS Pre-University college, Belagavi | Batch: 2022

ADDITIONAL INFORMATION

- Languages: English (Fluent), Kannada (Native), Hindi (Fluent), Marathi (Fluent)
 - Cultural Clubs: Photography Club
 - Interests: Musical Instrument, Sketching, Painting, Sports
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CERTIFICATIONS & ACHIEVEMENTS

- Internship Certificate AKP FERROCAST PVT LTD
- Participation Certificate in ABACUS AT district level
- Secured 4th Place at table at Saptaswara Sangeeta Vidyalaya
- Secured 2nd Place in the handball at district level
- Secured 2nd Place in football at taluka level