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# Prerana A. M.

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## WORK EXPERIENCE

### **HCL Technologies**

Quality Assurance and Documentation Engineer

**Bangalore, KA**

Oct 2022 – Present

- Managing Engineering Change Orders (ECOs), including revision control and impact assessment in design specs, BOMs, test procedures, and product manuals.
- Verification of technical documentation, engineering drawings, and BOMs to ensure compliance with **ISO 9001** and customer specifications.
- Creation and maintenance of several Standard operating procedures.
- Participating in design reviews, offering feedback on drawing clarity based on inspection and quality data.
- Proficient in design review of separable assembly.
- Actively developing skills in 3D modelling and mechanical design.

### **Hindustan Aeronautics Limited**

Student Intern

**Bangalore, KA**

- Fulfilled the provided familiarization training at Hindustan Aeronautics Limited, Airport service centre division.
- Familiar with the operation of the Airport including Air traffic controlling, function of Radar equipment, electricity supply in industry, runway and runway equipment operations, and many more.

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## EDUCATION AND PROJECTS

### **K.S. Institute OF Technology**

B.E. in Mechanical Engineering (CGPA: 7.95)

**Bangalore, KA**

Aug 2018 – Aug 2022

- Executed 4-man project titled 'Design and Fabrication of Automatic Side Stand' as a part of B.E curriculum performing all tasks such as designing, simulation, component selection, implementation, testing.
- Executed an individual project titled 'Intelligent Messaging to help candidates in Job Hunt', after analysing various job-hunting platforms and implicated the requirements of an AI messenger.
- Executed 4-man project titled 'Experimental Studies on Oscillating Heat Pipes' using Nanofluids' as a part of B.E curriculum, performing the analysis, data tabulation, data segregation, graphs of 4 fluids (Water and acetone as base fluids, Single walled carbon nano tubes and graphene dispersed in acetone nano fluids) and comparing the results to for declaration of the comparatively best nano fluid. (Participated in National Conference.)

### **Mahesh Pre-University**

Department of Preuniversity Education (Physics, Chemistry, Mathematics and Biology)

**Bangalore, KA**

July 2016 – March 2018

- Percentage – 73%

### **Prarthana Education Society**

Karnataka Secondary Education Examination Board

**Bangalore, KA**

June 2006 – March 2016

- Percentage – 86%

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**SKILLS:** CREO Parametric | Solid edge V19 | Microsoft office (Excel, PowerPoint, Word) | Python (Basics)

**LANGUAGES:** Kannada | English | Telugu

**INTERESTS:** Sketching | Badminton | Music