



Mohammed Rameez Njarakattil Basheer

MSc Mechanical Engineering student

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Education

Master of Science in Mechanical Engineering Mar 2020 - Present

Rhine-Waal University of Applied Sciences, Kleve, Germany

- Mechanical Engineering with focus on Design and Product Development.
- Grade average: 2.1 (German grading system).

Bachelor of Science in Mechanical Engineering Oct 2014 - Feb 2020

Rhine-Waal University of Applied Sciences, Kleve, Germany

- Conventional Mechanical Engineering.
- Elective subject focus: Multibody Dynamics, Condition Monitoring, Material Testing and Failure Analysis.
- Grade Average: 2.4 (German grading system)

College preparatory course for Rhine-Waal University of Applied Sciences Oct 2013 - Aug 2014

Freshman Programme, Bedburg-Hau, Kleve, Germany

- The 13th year education for international students which focussed on 4 core subjects: Physics, Mathematics, German, English.

High School 2011 - 2013

Holy Grace Academy, Trissur, Kerala, India

- High school study focus field: Computer Science.
- Physics, Mathematics, Chemistry, Computer Science, English

Employment

Werkstudent in R&D- Design Engineering Feb 2020 - Present

Miltenyi Biotec B.V. & CO. KG, Bergisch Gladbach, Germany

- Component design, 2D Drawings, CAD assemblies, Dimensional Tolerancing.
- Reverse engineering and requirement engineering for next generation medical devices.
- Performance testing and analysis of mechanical and pneumatic units in medical devices.

Bachelor Thesis Student in R&D Oct 2019 - Feb 2020

Miltenyi Biotec B.V. & CO. KG, Bergisch Gladbach, Germany

- Development of modular pressure generation unit and pressure control unit.
- Component design, Designing adaptive Assembly, Bill Of Materials, 2D Drawings, Dimensional Tolerancing, Reverse Engineering.

Personal details

Date of birth

November 4th, 1994

Place of birth

Al khafji KSA, Saudi Arabia

Gender

Male

Nationality

Indian

LinkedIn

linkedin.com/in/mohammed-rameez-njarakattil-basheer-32251b170

Skills

Solidworks



Siemens Solid Edge ST9



Python



Matlab



Simulink



ANSYS



Microsoft Office



Languages

English



- Support in developing test scripts in Python and generating performance graphs in python.

Internship in R&D

Apr 2019 – Sep 2019

Miltenyi Biotec B.V. & CO. KG, Bergisch Gladbach, Germany

- Design of pneumatic supply unit for next generation medical instruments.
- Design and selection of components for pressure delivery, accumulation, measurement, and regulation.

Student assistant in international student office for Freshman Programme

Sep 2016 – Mar 2019

Scientific Freshers, Bedburg Hau, Kleve, Germany

- Interaction with students and organizing student activities.
- Working member of an international student office for the Freshman Program.

Internship

Feb 2014 – Mar 2014

Theodor-Bauer-Haus, Kleve, Germany

- Introduction to Electrical Circuits, Soldering.
- Exercised mechanical processes such as Turning, Milling, Drilling and Filing.
- Learned the use of Pneumatics and Hydraulic Pumps in real life applications.

Other Projects

Design and Development of Reagent cartridge and connector

Jan 2022 – Jul 2022

Miltenyi Biotec B.V. & CO. KG, Bergisch Gladbach, Germany

- Design and Development of cost-effective injection moulded disposable cartridge capable of mixing fluid-powder reagents and storage of 9 different reagents of varying volumes.
- 3D modelling & 2D CAD drawing of 9 chamber reagent cartridge.
- Preparation of experimental board to test the cartridge filling and mixing.

Deutsch

Malayalam

Hindi