

Ian Franson Mendonca

📍 Reutlingen



June 18, 2024

Dear Hiring Manager,

I am writing to let you know about my interest in the role **International Trainee - Artificial Intelligence Technology** recently posted by your esteemed organization. I am currently pursuing a Master's degree in Mechatronics at the University of Siegen, Germany. With a robust background in mechanical engineering and extensive experience in **AI and software development**, I am eager to contribute to your innovative team.

As part of my master's thesis at Bosch Reutlingen, I am developing machine learning algorithms to **optimize process parameters and create a digital path for power electronics production**, specifically tailored to meet the demands of electric vehicle manufacturing. Additionally, courses such as '**Introduction to Machine Learning**' and '**Recent Advances in Machine Learning**' have provided me with a comprehensive understanding of various aspects of machine learning. I am proficient in programming with **Python** and related ML libraries, such as **PyTorch, Keras, TensorFlow, NumPy, Pandas, MLflow, Data Analysis, Scikit-learn, etc**

Previously, I worked as a **Design Engineer** at a machine tool manufacturing company in India, where I gained expertise in **CAD design, product management, and project management**—skills that align closely with the requirements of the posted job. This role allowed me to develop a strong foundation in **market analysis, vendor management, and digitalization initiatives**, which significantly enhanced operational efficiency.

Beyond my academic and professional pursuits, I am actively involved in extracurricular activities that demonstrate my leadership and teamwork skills. I **volunteer** at St. Michael's Church youth group '**Come and See**' in Siegen and serve as a committee member at **Konkani Kutam e.V.**, Frankfurt, where I help organize cultural events to bring people together and share cultural experiences. Additionally, I am an avid participant in university sports, playing **badminton and volleyball** at the university sports club.

Thank you for considering my application. I am enthusiastic about the opportunity to contribute to your team. I am available to discuss how my background, skills, and interests align with your organization's goals. I am flexible and **ready to relocate** if needed. I am available for **immediate joining and my expected salary is 52000 euros annually**.

Sincerely,

Ian Franson Mendonca

List of Achievements

Name	Mr Ian Franson Mendonca
Date and Place of Birth	1996-09-19 in Udupi, Karnataka / India
Matriculation Number	1653742
University	Universität Siegen
Degree	Master of Science (M.Sc.) Degree in accordance with the examination regulations for the degree course of "Mechatronics" issued at 2013-07-03
Subject of Study	Mechatronics
Academic Degree	Master of Science (M.Sc.)
Date of Issue	2023-10-08
Credit Points	87.5

The candidate has not yet definitely failed the examinations for the award of the master degree.

<i>Name of Exam / Examiner</i>	<i>Semester</i>	<i>Date</i>	<i>Remarks</i>	<i>Trial if > 1</i>	<i>Status</i>	<i>CP</i>	<i>Grade</i>
Master Mechatronics						87,5	1.7
Module Block Adaptation					BE		passed
Examination Embedded Control Univ.-Prof. Dr.-Ing. Roman Obermaisser	WiSe 2021/22	10.03.2022			BE	5	2.3
Electrical and Electronic Engineering I Dr.-Ing. Thomas Schulte	WiSe 2021/22	10.02.2022			BE	5	1.0
Electrical Machines and Power Electronics Univ.-Prof. Dr.-Ing. Mario Pacas	SoSe 2022	02.09.2022			BE	5	2.7
Module Block Integration					BE		passed
Automation & Industrial Communication Univ.-Prof. Dr.-Ing. Günter Schröder	WiSe 2021/22	02.03.2022			BE	5	3.0
Fluid Power Prof. Dr. Denis Anders Univ.-Prof. Dr.-Ing. Holger Foysi	WiSe 2021/22	16.02.2022			BE	5	1.0
Sensorics Univ.-Prof. Dr.-Ing. Oliver Nelles	SoSe 2022	24.08.2022			BE	5	3.0
Project Management Univ.-Prof. Dr.-Ing. Peter Burggräf	SoSe 2022	03.08.2022			BE	5	2.0
Introduction to Programming Univ.-Prof. Dr. Kristof Van Laerhoven	SoSe 2022	18.08.2022			BE	5	1.0
Fundamentals of Control apl. Prof. Dr.-Ing. habil. Michael Gerke	WiSe 2021/22	21.02.2022			BE	5	1.7
Module Block Specialisation					BE		passed
Advanced Control apl. Prof. Dr.-Ing. habil. Michael Gerke Dr.-Ing. Peter Will	SoSe 2022	15.08.2022			BE	5	2.0
Machine Dynamics & Systems Dynamics Univ.-Prof. Dr.-Ing. Peter Kraemer	SoSe 2022	08.08.2022			BE	5	1.0
Fundamentals for Mechatronic Applications Dr.-Ing. Thomas Schulte	SoSe 2022	11.08.2022			BE	5	1.3
Mechatronic Design for Production Machines	SoSe 2022	11.08.2022	BE		BE		passed

Key BE Passed w/o Grade

Remarks

Status BE passed („bestanden“)

NB failed („nicht bestanden“)

EN irrevocably failed („endgültig nicht bestanden“)

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List of Achievements, Mr Ian Franson Mendonca, Matriculation Number: 1653742

<i>Name of Exam / Examiner</i>	<i>Semester</i>	<i>Date</i>	<i>Remarks</i>	<i>Trial</i> <i>if > 1</i>	<i>Status</i>	<i>CP</i>	<i>Grade</i>
Software Engineering Univ.-Prof. Dr. Malte Lochau	WiSe 2022/23	24.03.2023			BE	5	1.7
Mechatronic Systems apl. Prof. Dr.-Ing. habil. Michael Gerke Dr.-Ing. Peter Will	WiSe 2022/23	16.02.2023			BE	5	1.0
Actorics Univ.-Prof. Dr.-Ing. Mario Pacas	WiSe 2022/23	20.03.2023			BE	5	1.7
Modeling and Simulation I&II Univ.-Prof. Dr.-Ing. Holger Foysi Dr.-Ing. Harald Klimach	WiSe 2022/23	25.02.2023			BE	5	1.0

Module Block Application

Languages and non-technical applications

Examination Introduction to Machine Learning Prof. Dr. Jöran Beel	WiSe 2022/23	09.03.2023			BE	2,5	3.0
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Technical applications

Recent Advances in Machine Learning Univ.-Prof. Dr. rer. nat. Michael Möller	SoSe 2023	28.09.2023			BE	5	passed
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Universität Siegen • Fakultät IV • Prof. Fritzen • 57068 Siegen

Universität Siegen
Fak. IV - Dept. Maschinenbau
Institut für Mechanik und Regelungstechnik
Lehrstuhl für Technische Mechanik
Prof. Dr.-Ing. Claus-Peter Fritzen

PB-A 211
Paul-Bonatz-Str. 9-11, 57076 Siegen

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Internet: www.uni-siegen.de/fb11
Telefon: +49 271 740-4621
Sekretariat: +49 271 740-2225

Siegen, den 12. Dezember 2023

Zeugnis

Herr Ian Franson Mendonca, geboren am 19.09.1996 in Udupi, war im Rahmen einer wissenschaftlichen Hilfskrafttätigkeit vom 01.08.2023 bis 14.11.2023 bei mir in der Arbeitsgruppe „Technische Mechanik – Labor für experimentelle Mechanik“ beschäftigt.

Während dieser Zeit unterstützte er uns bei der Entwicklung eines Regelungskonzepts für die aktive Regelung von Auswuchtmaschinen.


Das Aufgabengebiet von Herrn Mendonca umfasste schwerpunktmäßig:


- Allgemeine Unterstützung auf dem Gebiet der aktiven Regelung im Rahmen eines angewandten Drittmittelprojektes
- Entwicklung und Erprobung eines Regelungskonzeptes für die aktive Schwingungsisolierung in MATLAB und SIMULINK
- Entwicklung und Erprobung geeigneter Sensoren und Aktoren für die aktive Isolierung
- Programmierung und Implementierung von MATLAB-Simulationen für die komplexen mathematischen Gleichungen

Herr Mendonca zeichnete sich stets durch eine engagierte Arbeitsweise aus. Auch für unvorhergesehene Probleme fand Herr Mendonca zufriedenstellende Lösungsansätze, die er erfolgreich in die Praxis umsetzte. Herr Mendonca verfügt über ein weitreichendes Fachwissen, welches er in der Praxis erfolgreich eingesetzt hat. Herr Mendonca arbeitete stets mit viel Eigeninitiative und besaß eine hohe Leistungsmotivation.

Gegenüber seinem Vorgesetzten und dem Projektpartner war sein Verhalten stets kooperativ und freundlich.

Das Beschäftigungsverhältnis mit Herrn Mendonca endete vertragsgemäß zum 14.11.2023. Wir danken Herrn Mendonca für die geleistete Arbeit und wünschen ihm für die Zukunft viel Erfolg.


Prof. Dr.-Ing. C.-P. Fritzen

UNIVERSITÄT SIEGEN 
Fakultät IV - Dept. Maschinenbau
Institut für Mechanik und
Regelungstechnik - Mechatronik
Prof. Dr.-Ing. C.-P. Fritzen
Paul-Bonatz-Str. 9-11 · D-57076 Siegen

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



Certifies that

IAN FRANSON MENDONCA

ಬ್ಯಾಚಲರ್ ಆಫ್ ಇಂಜಿನಿಯರಿಂಗ್

ಪದವಿಗೆ ಅಗತ್ಯವಾದ ಅರ್ಹತೆಗಳನ್ನು ಪೂರೈಸಿ ಪರಿಗಣಿತವಾಗಿರುವ ಕಾರಣ
ಮೇಲೆ ಕಾಣಿಸಿದ ಪದವಿಗೆ ಅವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ

has been duly admitted to the Degree of

Bachelor of Engineering

in recognition of the fulfilment of requirements

for the said degree through



ವಿದ್ಯಾಲಯದ ಹೆಸರು

Name of the College

: P.E.S Institute of Technology, Bangalore
(Autonomous College)

ಪರೀಕ್ಷಾ ಕ್ರಮ ಸಂಖ್ಯೆ

University Seat Number : 1PI14ME032

ವಿಷಯ / Subject

: Mechanical Engineering

ಶ್ರೇಣಿ

Class

: First Class with Distinction

A 005771

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮುದ್ರೆಯೊಂದಿಗೆ ಕೊಡಲ್ಪಟ್ಟಿದೆ
Given under the seal of the University

ಬೆಳಗಾವಿ

Belagavi

ದಿನಾಂಕ

Date : March 18, 2019

ಕುಲಪತಿ

VICE CHANCELLOR

Prof. Kristof Van Laerhoven, PhD.<http://ubicomp.eti.uni-siegen.de>

kvl@eti.uni-siegen.de

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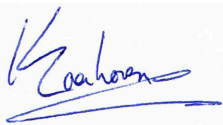
Siegen, 26. Juli 2023

Letter of reference for Mr. Ian Franson Mendonca (Matrikelnr.: 1653742)

I am writing this letter of reference for Mr. Ian Franson Mendonca, who participated in my course "Introduction to Programming" offered at the University of Siegen.

During this course, Ian Franson Mendonca demonstrated an exceptional aptitude for grasping programming concepts and principles. His dedication to mastering the subject matter were evident from the very beginning and he consistently exhibited a strong work ethic, engaging actively in class discussions and demonstrating a proactive approach to problem-solving exercises. He achieved the perfect score of 1,0 for this course.

Wit kind regards,



Prof. Dr. Kristof Van Laerhoven
Lehrstuhl Ubiquitous Computing
Universität Siegen
<https://ubicomp.eti.uni-siegen.de>

SHRIKANT NISHANI

Bharat Fritz Werner Ltd, Bengaluru

nishanishrikant@bfw.co.in

+91-9886561464

TO WHOMSOEVER IT MAY CONCERN

I am delighted to write this letter of recommendation for **Mr. Ian Franson Mendonca**, who worked under my supervision during the development and construction of a new 5-axis CNC machine at BFW.

He showed excellent teamwork, independence, and initiative throughout the project. He has a sound knowledge about the technical stuff and paid attention to every detail, which made the project successful.

Without any reservation, I highly recommend **Mr Ian Franson Mendonca** for any future professional opportunities. I firmly believe that he will make a significant, positive impact in any environment he becomes a part of.

If you need more information about Mr Mendonca's work during the project, please feel free to contact me.

Sincerely,


Shrikant Nishani

27/7/23

Dy.Manager-NPD

BHARAT FRITZ WERNER LTD

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Eine-Welt-Laden St. Michael
31.01.2024
Wolfgang Burk
Friedenstr. 39
57076 Siegen
wolfgangburk@gmail.com

Siegen,

Empfehlungsschreiben für Herrn Ian Franson Mendonca

Ian Franson Mendonca war von 2021 - 2023 in unserem Eine-Welt-Laden sowie in der Kirchengemeinde St. Michael tätig.

Er kam zu uns, da er sich ehrenamtlich einbringen wollte, sei es im Eine-Welt-Bereich wie auch in der Kirchengemeinde. Das war aus unserer Sicht ebenso erfreulich wie bemerkenswert, da i.d.R. Studenten, zumal wenn sie aus anderen Ländern zu uns kommen, mit Studium und Job hinreichend beschäftigt sind.

In unserem Eine-Welt-Laden hat er sich vor allem bei Veranstaltungen (Planung, Organisation, Auf- und Abbau) eingebracht und war für uns eine wichtige Unterstützung.

Wir schätzten an Ian vor allem Folgendes:

- Ian ist immer motiviert und offen für alle Aufgaben.
- Er ist intelligent und hat eine schnelle Auffassungsgabe.
- Ian ist pünktlich und zuverlässig.
- Gegenüber Kunden ist er sehr freundlich.
- Er konnte seine anfänglich noch geringen Deutschkenntnisse innerhalb kurzer Zeit deutlich verbessern und arbeitet weiter daran.

Unser Team bedauert sehr, dass Ian für seine Masterarbeit von Siegen weggehen musste, denn mit ihm verlieren wir ein angenehmer und stets gut gelaunter Mitarbeiter.

Wir sind überzeugt, dass Ian eine große Bereicherung für seinen zukünftigen Arbeitsgeber sein wird, und wünschen ihm alles Gute.

Wolfgang Burk



To Whom It May Concern

Konkani Kutam e.V., Grothstraße 12, 31787 Hameln

Date: 27.12.2023

Mr. Ian Franson Mendonca
Tübingen Str. 90
Reutlingen 72762

Association // Vereins E-Mail: konkanikutam.e.v@gmail.com
Name of the Association // Name des Vereins : Konkani Kutam e. V.

I am writing to express my most sincere recommendation to Mr. Ian Franson Mendonca. In my capacity as President at Konkani Kutam e.V. Germany, I have had the pleasure of working closely with Ian Franson Mendonca for the past 2 years.

Ian Franson Mendonca has been an exceptionally active and dedicated member of our Konkani Kutam e.V. association who has consistently demonstrated outstanding leadership, teamwork and initiative. His commitment to both academics and extracurricular activities is truly commendable and makes him an ideal candidate for your organization or your team.

As an active member of our association, Ian Franson Mendonca has demonstrated that he is a natural leader. He has successfully organised and delivered numerous events, workshops and initiatives, demonstrating not only his organisational and administrative skills, but also his ability to inspire and motivate his colleagues. His enthusiasm for collaboration and effective communication skills have contributed significantly to the success and growth of our association.

Mr. Mendonca has a unique blend of analytical thinking, strategic planning, and a passion for innovation - all critical traits for success in the dynamic field of business and technology. His commitment to personal and professional development, coupled with his ambition to make a positive impact on the business world, make him an ideal.

I am confident that Ian Franson Mendonca will thrive in the challenging and collaborative environment on his studies. His diverse skill set, coupled with his ability to adapt to new situations, will undoubtedly contribute to the enrichment of your organization or your team.

Should you require further information or have any questions, please feel free to contact me at 0171 1976 118 or email at konkanikutam.e.v@gmail.com.

Yours sincerely,

Keeth Shan Noronha

Konkani Kutam e.V. Germany

Amtsgericht Eintragung : Amtsgericht Köln ; Association Reg number // Vereins Reg. Nr : VR 18967
Vorstand : Noronha, Keeth Shan ; Lobo, Milind ; Saldanha, Oliver Lester ; Dsouza, Curran Health

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