

ANEES AHAMED KALEEFATHULLAH

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✉ Menno Ter Braaklaan 149, 2624TD Delft, Netherlands in LinkedIn Profile



EDUCATION

Master of Science in Mechanical Engineering;
Track: Vehicle Engineering

Technische Universiteit Delft

📅 August 2017 – February 2020 📍 Delft, Netherlands

- Specialization in Human factors;
- **Thesis title:** External Human-Machine Interfaces can fail! An examination of trust development and misuse in a large CAVE-based pedestrian simulation environment ;

Bachelor of Engineering in Mechanical Engineering

Sri Sairam Institute of Technology, Anna University

📅 2013 – 2017 📍 Chennai, TN, India

RESEARCH VISITS

Postgraduate Visiting Researcher at Institute for Transport Studies

University of Leeds

📅 August 2019 - January 2020 📍 Leeds, United Kingdom

GRANTS

- **Erasmus+ Mobility Grant** (Aug'19 - Jan'20) granted by TU Delft to work as part of the interACT project at University of Leeds

PROJECTS

interACT Road Automation Project

University of Leeds

📅 August 2019 - February 2020 📍 Leeds, United Kingdom

- Funded by the European Union's Horizon 2020 research and innovation programme;
- Team discussions and meetings on experimental research plan for Graduation Thesis;
- Worked on Virtual Reality, eHMI design, UX design, usability testing, and collected data at the **HIKER Pedestrian Simulator**, University of Leeds as a part of the project
- **Supervised by:** Prof. Natasha Merat & Dr. Yee Mun Lee, University of Leeds
- **Technologies learnt:** Illustrator, Unity VR, Visual Studio, C#, Blender

CORE SKILLS

Wireframing and Design ●●●●●●●●

Adobe Photoshop Coreldraw

Adobe XD Adobe Illustrator

Web Development ●●●●●●●●

HTML5 CSS3 JS MERN stack

Programming and Simulation ●●●●●●●●

Matlab Simulink Unity 2017

PreScan(PreCrash Scenario Analyzer)

FOSIM: Freeway Operations SIMulation

EXPERIENCE

Freelance Web Developer

- Developing a website using the MERN stack for a pet adoption center
- UX & UI designed using AdobeXD
- Project duration : 3 weeks
- Coding : VS code; Source Control : Git

COURSEWORK

- Man-Machine Systems
- 3D Robot Vision
- Supervisory Control in Aerospace
- Experimental Design, Statistics and the Human
- Applied Experimental Methods: Human Factors
- Automotive Human Factors

INTERESTS

User Experience(UX) Research

Web Development Data Analysis

UX/UI/HMI Design

Usability testing Virtual Reality

Experimental Research

COURSE PROJECTS

Comparative Analysis between the Solution Space Display and Preview Display on Performance, Workload and Safety

Technische Universiteit Delft

📅 Feb '19 – Apr '19

📍 Delft, Netherlands

- An investigation on the influence of Decision support tools on safety, workload and performance in Air Traffic Controllers(ATCs)

Software used: TU Delft ATC simulator, Matlab, SPSS

A Study of the Effects of Vehicle Width on Driving Speed

Technische Universiteit Delft

📅 May '18 – Jun '18

📍 Delft, Netherlands

- An investigation into the influence of car width on the preferred speed maintained by drivers on a simulated track

Software used: PreScan(ADAS software), Matlab, Simulink, SPSS

INTERNSHIP

Manufacturing Intern

Revo Technologies and Enterprises

📅 Oct 2015 - Nov 2015

📍 Trichy, TN, India

- Worm Gear box manufacturing
- Learned how to manage manufacturing time efficiently
- Helped the company to take over more orders and improve productivity

CO-CURRICULAR EXPERIENCE

Senior Advisor, Human Factors and Ergonomics

Inter-collegiate BAJA SAEINDIA

📅 2015 – 2017

📍 India

- Studied various potential risks while driving in rough terrains by integrating comfort, workload and safety
- Assisted and implemented critical ideas in the designing of roll cage according to the view and seating comfort of the driver

Powertrain team lead

Inter-collegiate BAJA SAEINDIA

📅 2015 – 2017

📍 India

- Managed a team of 4 in developing creative design ideas and thoughts for an efficient CVT and also gained hands on experience in manufacturing and assembling the automatic gearbox and setting up the transmission system.

OTHER WORK EXPERIENCE

Event Co-Ordinator, Department of Mechanical Engineering

Sri Sairam Institute of Technology

📅 2016

📍 Chennai, TN, India

- Organised various events in our Faculty's National level technical Symposium
- Organised a one day workshop on 'Vehicle Dynamics' for the students of mechanical engineering and Automobile Engineering.

Active Member

Bhumi NGO

📅 May '15 – Aug '17 📍 Chennai, TN, India

- Volunteered to educate underprivileged children;
- Worked 12 hrs per week;

Volunteer Coordinator Sidekick

Tedx Delft

📅 March 2018

📍 Delft, Netherlands

- Volunteered and guided the volunteers in enjoining them tasks.
- Learned how to manage people and also got a chance to hold leadership in volunteer management.

STRENGTHS

Critical Thinking Quick Learner

Team Work Detail Oriented

Flexibility Adaptability

Taking over Challenges

Responsibility MultiTasking

Insightful Professionalism

LANGUAGES

Tamil (Mother Tongue) ●●●●●●●●

Hindi ●●●●●●●●

English (CEFR level C1) ●●●●●●●●

German

(Goethe Zertifikat B1) ●●●●●●●●