

ANEES AHAMED KALEEFATHULLAH

JUNIOR DESIGNER AND DEVELOPER

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SKILLS

PROTOTYPING & DESIGN

Adobe Photoshop
CorelDRAW
Adobe XD
Adobe Illustrator
Visual Design

UX RESEARCH

A/B & Guerilla testing
User Interviews
Usability testing
Pilot/User studies
Heuristic Evaluation

PROGRAMMING

HTML5/CSS3/JS
Reactjs + Redux
Node.js & Express.js

DATABASE

PostgresQL
NoSQL (Mongo)

SIMULATION

Unity 2017
PreScan
FOSIM
Simulink

DATA PROCESSING & ANALYSIS


SPSS
MATLAB

LANGUAGES

Tamil - Native
English - CEFR level C1
German - Goethe Zertifikat B1

EDUCATION

Master of Science in Mechanical Engineering

Technische Universiteit Delft, Delft, NL
Specialization in Human Factors
 August 2017 - February 2020

GPA :
7/10

Bachelor of Engineering in Mechanical Engineering

Anna University, Chennai
 August 2017 - February 2020

CGPA :
8.6/10

EXPERIENCE

Freelance Web Designer and Developer

Private client - Pet adoption NGO

www.adhvikafoundation.org - Deployment delay

Designed and prototyped the desktop and mobile views of the website view using Adobe XD. Developed using Reactjs framework for frontend and Node.js and Express.js for backend with MongoDB as the database. Meetings and discussions under process to develop mobile app using React Native.

 August 2020 - Present

PROJECTS

Master Thesis in collaboration with EU Interact Road Automation Project

University of Leeds, Leeds, UK

 August 2019 - February 2020

Title: External Human-Machine Interfaces can fail! An examination of trust development and misuse in a large CAVE-based pedestrian simulation environment (Human Factors Journal Preprint (ResearchGate))

Literature research of various eHMI designs of Autonomous Vehicles and selection of three eHMIs based on criteria such as intuitiveness, design, and visibility. Pilot studies were conducted to evaluate the 3 different designs and selected one design based on A/B testing, user questionnaire and interviews and heuristic evaluation. eHMI designed using Illustrator and Blender and developed in C# in unity simulation environment. Collected data of 60 participants in a CAVE simulator to test usability using measures such as safety, comprehension, trust, and pre and post-experiment questionnaires from the participants when interacting with the eHMI. Team discussion after data processing and analysis for further insights into the eHMI's usability.

RESEARCH VISITS

Postgraduate Visiting Researcher

Institute for Transport Studies
University of Leeds, Leeds, UK

📅 August 2019 - January 2020

GRANTS

TU Delft Erasmus+ Mobility Grant

📅 August 2019 - January 2020

ACADEMIC PROJECTS

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

Technisch Universiteit Delft, Delft, NL

📅 February 2019 - April 2019

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

A Study of the Effects of Vehicle Width on Driving Speed

Technisch Universiteit Delft, Delft, NL

📅 May 2018 - June 2018

An investigation into the influence of car width on the preferred speed maintained by drivers on a simulated track - [Report](#)

Senior Advisor, Human Factors and Ergonomics

Inter-collegiate BAJA SAEINDIA, India

📅 2015 - 2017

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. Design verification and validation using DFMEA.

Powertrain team lead

Inter-collegiate BAJA SAEINDIA, India

📅 2015 - 2017

Managed a team of four 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

EXTRA-CURRICULAR

Volunteer Coordinator Sidekick

TEDx Delft, Delft, Netherlands

📅 March 2018

Volunteered and guided the volunteers in enjoining them tasks for the TedX event.

Active Member

Bhumi NGO, Chennai, TN, India

📅 May 2015 - August 2017

Volunteered 12 hours/week to educate underpriveleged children

Event Co-Ordinator

Department of Mechanical Engineering

📅 2016

Sri Sairam Institute of Technology, Chennai, TN, India

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