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To Whom it May concern

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Dresden, September 10, 2020

Experience letter for Ms Vedaanti Baliga, MSc

Dear Madam, Dear Sir,

This letter certifies that Ms Vedaanti Baliga was the Technical Lead / Senior Project Assistant (Technical) from August 2019 - May 2020 for a project in collaboration with the Indian Institute of Technology Delhi, Technische Universität Dresden (TUD), Germany and University of Texas, Austin, USA. She also previously interned with us during her last semester of her college, i.e. from January 2019 to July 2019.

During this time, Ms Baliga developed a web platform called CAST (Contamination Assessment and Site-Management Tool) using the Flask framework. She was responsible for the end-to-end / full stack development of the website, for which she used HTML, JavaScript, CSS, Bootstrap for the frontend and MySQL, Python for the backend. Her work also comprised of making insightful data visualisations (scipy, plotly, sklearn) and interactive data analytic tools. She then deployed the same on the IITD server (Baadal) which is now live at: www.cast.iitd.ac.in

Ms Baliga also maintains and manages the GitHub repository for this software at: <https://github.com/CAST-IIT>. She has been providing support for finalizing, extending (new model interfaces) and server work at TUD. Apart from this, she has been one of the authors of an abstract accepted by GQ2019. She is also an author of an upcoming paper on CAST that will soon be submitted to FH-DGGV (Hydrogeology Section in the German Geological Society / Geological Union) for publishing.

Yours sincerely,

Prof. Dr. Rudolf Liedl
Head of the Institute



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