TECHNISCHE UNIVERSITÄT DRESDEN

Fakultät Umweltwissenschaften Fachrichtung Hydrowissenschaften Institut für Grundwasserwirtschaft

Technische Universität Dresden, 01062 Dresden

To Whom it May concern

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AZ:

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Reference for Ms Vedaanti Baliga, BSc

Dear Madam,
Dear Sir,

It is my pleasure to unhesitatingly recommend Ms Vedaanti Baliga, BSc, a student who holds great promise, for admission to your institution. Ms Baliga has been working on a common project in the area of environmental pollution management. I have known her through the work that she has done on the project and through presentations over Skype. This has given me ample opportunities to evaluate her capabilities closely, both academically and personally. Ms Baliga displays a strong work ethic evidenced by her conscientiousness and ability to meet various project milestones.

Being from a different scientific background, I would not be aware of intricacies of programming, however, I have relied on Ms Baliga's computer programming skills which she has brought to bear on the project through her dedication and strong sense of curiosity. At the core of the project is a set of groundwater contamination assessment tools which comprise models, visualizations and interactions. As the only computer science student working on the project, Ms Baliga successfully managed to handle various stages from coding to communication. The essential requirements of the project were to have good knowledge of the Python programming language, JavaScript and other full stack developer requirements.

Ms Baliga developed all these skills along the way and updated us with the web platform whenever she was asked to. The project is now almost ready to go live on our university server at TU Dresden, Germany, which is a major achievement for Ms Baliga. She has successfully learnt the most important aspect of the project, that is data visualization and analysis. She is now able to visualize kernel density curves, histograms, regressions fits, database management, code efficiency in Python and, lastly, present all her work through an easily accessible interface for all users.

We also interacted through multiple Skype presentations where Ms Baliga showcased the work that she had been doing. She came prepared with a PowerPoint presentation and a demo of the current state of the site. She is very respectful and always shows professionalism during her presentations. Her communication skills are laudable, and she is fluent and concise in delivering her points.

Developing such a project takes a lot of patience and hard work and I am sure that Ms Baliga will be able to adapt and deliver very well in future projects.

Yours sincerely,

Prof. Dr. Rudolf Liedl
Head of the Institute