

Palingi Ananthakrishnan Siva Prakash
Zellescher weg 41, Dresden
Germany

Fraunhofer IIS,
Dresden,
Germany.

Dear Sir/Madam,

Sub: Student assistant - Building Operating Data analysis

I am a Masters student at Technical University of Dresden studying the course "Computational Modelling and Simulation". I have completed my Bachelor's in Mechanical engineering with excellent grades. Data analysis is important to understand problems and explore data in meaningful ways in order to solve it. I find this very intriguing and I see this application as a great opportunity to move towards my future goals.

My research project in my University titled „Workflow of extraction of Hydrogel material data for machine learning models" dealt with data mining/curation in the field of material science. A workflow for data acquisition involving minimum human intervention was developed. Data mining tools for extracting data were listed and the error involved in automatically extracted data was compared to manually extracted data. As stated in my enclosed resume, I have completed a course on deep learning and computer vision for autonomous cars. I gained a lot of insight on Machine learning tools and algorithms like OpenCV, Tensorflow, Keras, template matching which can be used for lane detection, classify traffic signs, extract image data, detect edges etc. from this course. I have implemented these algorithms and am confident to work with new challenges. I have also worked with Matlab scripts and Simulink in order to run simulations.

Furthermore, I believe that I have gained very good knowledge from all of my courses. I believe that my motivation, commitment and skills will allow me to fit into your work environment. I would very much appreciate the opportunity to meet with you and discuss my application in an interview. Thanking you in advance for your time and consideration.

Yours sincerely,
Palingi Ananthakrishnan Siva Prakash