# Sahib Julka

*Machine Learning Scientist*

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## SUMMARY

Creative problem solver with a strong background in Machine Learning domains such as Vision, Time-Series Signals, and Causal Inference. My PhD was on advancing Machine Learning tools in the application domains of Planetary Science. I have also worked actively towards making Representation Learning more controllable and interpretable, as well as contributed in Deep Active Learning.

## TECHNICAL SKILLS

**Programming Languages:** Python

**Machine Learning Frameworks:** PyTorch, Tensorflow, Scikit-Learn

**Tools:** MLOps, WandB, Git

## EXPERIENCE

**Research Associate**                                                     Apr. 2018 – Dec 2024
*University of Passau*                                                     *Passau, Germany*
- Led Machine Learning in Europe-wide project on Planetary Science viz. Europlanet2024
- Taught Data Science Lab and Machine Learning Lab for 5 years
- Supervised numerous Masters and Bachelors Thesis
- Organised Hackathons and Convened Machine Learning Workshops/Conference Sessions

**Student Researcher**                                                     Nov. 2017 – Jan 2018
*University of Passau*                                                     *Passau, Germany*
- Developed Data Annotation tool

**Machine Learning Engineer**                                             Aug. 2017 – Mar 2018
*Upwork.com*                                                              *Passau, Germany*
- Predictive modeling jobs

## EDUCATION

**University of Passau**                                                   Passau, Germany
*PhD in Computer Science, Faculty of Computer Science and Mathematics*     *2022 - 2024*

**University of Passau**                                                   Passau, Germany
*MSc. Computer Science, Faculty of Computer Science and Mathematics*       *2015 - 2018*

**VIT University**                                                         Vellore, India
*Bachelors of Technology, School of Computer Science and Engineering*      *2009 - 2013*

## PERSONAL DETAILS

**Status:** 32M, Single, German Citizen

**Languages:** English (First), German (Fluent), Hindi (Fluent)

**Hobbies:** Music (Guitar, Vocals), Sports (Cycling, Weightlifting), Photography