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 domain of Astrophysics and 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 National (prev. Indian)

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

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