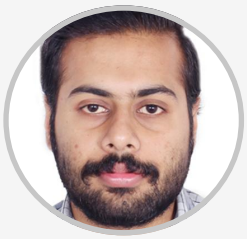

PAVAN KUMAR SHESHANARAYANA

Date of birth: 27/03/1994 | **Nationality:** Indian | **Gender:** Male | (+49) 17634323676 |

pavansiddharth94@gmail.com | https://pavansid94.github.io/home/ |

https://www.linkedin.com/in/pavank94/ | Limesstraße 103, 81243, Munich, Germany

About me:

I'm a Budding Data Science Enthusiast, with an eye and passion for creating data-driven Deep-learning (and ML) based solutions.

EDUCATION AND TRAINING

01/04/2019 – CURRENT – Paderborn, Germany

MASTERS IN COMPUTER SCIENCE – Universitat Paderborn

Master Thesis (with BMW Group, completed, awaiting final grades):
Cross-Domain Aspect-Based Sentiment Analysis with Multimodal Sources

- *Deep learning (BERT + RNN/LSTM/Attention-based) models capable of extracting Aspect terms and sentiment developed as part of the core task.*
- *Macro-F1 performance increments by 25-29% over the baseline, applying semi-supervised methods.*
- *The models evaluated for their cross-domain adaptability scored Micro-F1 scores in the ranges of 80-95% across 4 of the overall 5 domains demonstrating the capability of domain adaptation in terms of sentiment.*

- ***Skills***: *Transformers and BERT, PyTorch and AWS Sagemaker, NLP, Neural networks and Deep Learning, Semi-supervised learning, Topic modeling, and Aspect-based Sentiment Analysis.*

Other Modules Completed:

- *Statistical and Natural language Processing.*
- *Computational Argumentation using Machine Learning and NLP.*
- *Online and Adaptive Machine Learning.*
- *Interactive Data Visualization.*
- *Intelligence in Embedded systems.*

Projects*:*

- ***Knowledge Graph and Entity Summarization:*** *A selected knowledge graph(KG) based on multiple endpoints is pruned to a sub-KG using Link-based Algorithms such as LinkSUM, SALSA, and HITS. (*https://github.com/haseebjavaid21/kg-summarization*).*
- ***Fact-checker***, an NLP-based fact-checking application to test the correctness of facts. (https://github.com/Pavansid94/Roadrunner).

Address Paderborn, Germany

01/09/2012 – 06/09/2016 – Mysuru, India

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE – Vidyavardhaka College of Engineering

Address Mysuru, India

WORK EXPERIENCE

17/05/2021 – 01/10/2021 – Munich, Germany

MACHINE LEARNING INTERN – BMW GROUP

- *Involved in tasks ranging from data wrangling to Deep learning modeling and Visualization as part of metrics. All the models were put together to be a part of a web app capable of demonstrating the scope of building a multi-modal-based Sentiment Analysis.*

- *To analyze sentiment and recognize emotion as part of the above, two different models from different modalities were trained and incorporated.*

- ***Skills***: *Azure Virtual Machine, Web services, and DevOps. Elastic and Kibana. TensorFlow, Pytorch, transformers, and Flask. Python and JavaScript.*

16/12/2019 – 30/04/2021 – Paderborn, Germany
SOFTWARE DEVELOPER – MYVIEW SYSTEMS

- *Worked as a full stack developer in integrating cloudconvert to the product 'xom' and was also involved in the maintenance of the xom API with simultaneous development of its client application.*
- ***Skills:*** *Angular, Java*

01/10/2016 – 25/01/2019 – Bengaluru, India
SENIOR SOFTWARE ENGINEER – HAPPIEST MINDS

- *Development of a few rich Key Performance Indicators (KPIs) for a university entity on a 'Student life cycle' from Cassandra Datalake.*
- *Development of a solution for a student entity to guide him on his four-year study plans (link-based Analytical algorithms employed, an ongoing POC at the time of departing with the company).*
- *Analytical showcase comprising various visualizations and metrics from multiple backend KPI microservices brought up as dashboard widgets.*
- ***Skills****: Java(Spring), Spring Boot, Angular, JavaScript, Predictive Analyses, Machine Learning, Neo4J, Cassandra and MySQL.*

JOB-RELATED SKILLS

Technical Skills

- Programming Languages: ***Python, Java.***
- Cloud Platforms: ***Azure, AWS.***
- Web Technologies: ***Angular, JavaScript.***
- Frameworks: ***Spring (Java).***
- Libraries: ***Pytorch, TensorFlow, Keras, scikit-learn, transformers.***
- Build Tools: ***Maven, Gradle.***
- Version Control system: ***Git, Subversion (SVN).***
- Database: ***MySQL, Postgres, Neo4J, Cassandra.***
- IDE: ***Eclipse, Pycharm, Visual studio code.***
- Software development methodologies and tools: ***Scrum, Jira.***

OTHER LICENSES & CERTIFICATIONS

Convolutional Neural Networks

- Issuing Organization: Coursera
- Credential ID:T3MMXKF892X6
- Credential URL:https://www.coursera.org/account/accomplishments/certificate/T3MMXKF892X6

Neural Networks and Deep Learning

- Issuing Organization: Coursera
- Credential ID: PB4MXQMGKJCC
- Credential URL: https://www.coursera.org/account/accomplishments/certificate/PB4MXQMGKJCC

Structuring Machine Learning Projects

- Issuing Organization: Coursera
- Credential ID: V3ZUMS4HW6NQ
- Credential URL: https://www.coursera.org/account/accomplishments/certificate/V3ZUMS4HW6NQ

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Dedicated and self-driven with strong communication skills.
- Able to comprehend complex requirements and articulate the same.
- Able to work independently but also act as a Team Player understanding the intricacies of the way any agile project team works.

Languages

English, German (A2), Kannada and Hindi.