

Sushil Kumar Ammanaghatta Shivakumar

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EDUCATION

- **Albert Ludwig University of Freiburg** Freiburg, Germany
Masters in Computer Science Oct. 2021 – Present
- **PESIT-BSC(South Campus)** Bangalore, India
Bachelor of Engineering in Computer Science; GPA:8.38/10 Aug. 2017 – June 2021

EXPERIENCE

- **Master Thesis Student (current):**
Zebracat AI
Working on Thesis about Generative model for Video Clip Selection:
- **Research Assistant (current):**
Fraunhofer-Institut fr Solare Energiesysteme ISE
Assisting the team with Data scrapping from Research papers
- **Research Assistant:**
Max Planck Institute for Security and Privacy (MPI-SP)
Assisted the team with the research about Legitimate Interest by web scraping, a mix of computational, quantitative, and qualitative analysis
- **Machine Learning Intern:**
TAO The Automation Office-Internship
Assisted the tech team with TAPP 3.0 coding. We developed auto table formation logic based on the document layout. Analyzed the document based on unique features like vendor information, invoice, and purchase order number.

PROJECTS

- **Training Noisy Real vs Generated Images for Attribute Classification:** This project involves finding and downloading images based on specific attributes, We'll compare the performance of CLIP model trained on these generated images by Stable Diffusion with those trained on real ones.
Technology / Tools: Pytorch, Python
- **Personality Prediction Using Social Media:** Build a web application that can be linked with Facebook. It analyses personality traits and Big 5 model to predict the personality of a user.
Technology / Tools: NLP, HTML, PHP, Machine Learning, SQL

PUBLICATIONS

- **1:** Lin Kyi, **Sushil Ammanaghatta Shivakumar**, Franziska Roesner, Cristiana Santos, Frederike Zufall, and Asia Biega. 2023. **CHI'23** Investigating Deceptive Design in GDPRs Legitimate Interest.
 - Awarded the Council of Europe's 2024 Stefano Rodot Award in Data Protection
 - Selected for presentation at the French Data Protection Authority's CNIL Privacy Research Day 2023
 - Preliminary version selected for presentation at the Berkeley Center for Long-Term Cybersecurity's annual research symposium on "Comparing Effects of and Responses to the GDPR and CCPA/CPRA"
- **2:** AutoML Decathlon: Diverse Tasks, Modern Methods, and Efficiency at Scale. **NeurIPS 2022 Competition Track**
 - AutoML Decathlon 2022 - 2nd Runner Up

PAPERS UNDER REVIEW

- **1:** Lin Kyi, Cristiana Santos, **Sushil Ammanaghatta Shivakumar**, Franziska Roesner, and Asia Biega. *[Under review at PETS 2024]*

PROGRAMMING SKILLS

- **Languages:** Python, C/C++, Java
- **Libraries:** Pytorch, Numpy, Pandas, Selenium, PyMuPDF,
- **Technologies:** MySQL, SPARQL, Git, Linux, Latex, Docker
- **Interests:** Deep Learning, Generative AI, Responsible AI, Data Science, Multimodal learning

CERTIFICATIONS

- **Parallel, Concurrent, and Distributed Programming in Java Specialization:**
Coursera - Rice University
- **Deep Learning Specialization:**
Coursera - deeplearning.ai

ADDITIONAL ACTIVITIES

- **Core Team member for Activity Day:** Along with 3 other teammates, led the computer science department in the interdepartmental competitions which included technical and nontechnical competitions.
- **Core Team Member for Maaya:** Along with the team planned various activities and events to be held at the fest, was responsible to portray the fest in the market and arrange enough funds for the proper conduction of the fest.