

EDUCATION

Max Planck Institute for Informatik PhD in Computer Vision	Saarbrücken, Germany Oct, 2021–
Saarland University MS in Informatik, GPA - 1.4	Saarbrücken, Germany 2019–2021
IIIT Allahabad B.Tech. in Information Technology, GPA: 9.44/10	Allahabad, India 2013–2017
Pitts Modern School AISSCE, Score: 95.2/100	Gomia, India 2012

EXPERIENCE

Computer Vision Group Master thesis supervised by Prof Bernt Schiele	Max Plank Institute for Informatik, Germany October, 2020 - April, 2021
– (SP) ² Net for Generalised Zero Label Semantic Segmentation	
Modelling and Simulation Group Research Internship supervised by Prof Verena Wolf	Saarland University, Germany Summer 2019
– Worked on Combinatorial optimisation problem for Car manufacturing problem with Hierarchical Reinforcement Learning.	
– Explored temporal abstraction based hierarchical RL, and used Option Critic Architecture for solving the problem.	
Qualcomm Software Engineer	Hyderabad, India July, 2017 – March, 2019
– Wifi Scan optimisation using Machine Learning.	
– WPA3 security framework implementation [SAE/OWE/DPP].	
– Feature implementation on Wifi Aware [framework level].	
Microsoft Software Developer Intern	Hyderabad, India Summer 2016
– Using Azure Service Fabric for exposing domain data and persisting that data.	
– Parallel UI Automation Testing using selenium.	
WorldQuant llc Student Quant Consultant	Bombay, India April, 2015 – April, 2016
– Development of quants for prediction of stock market. Mostly worked on diverse portfolios.	
IIT Bombay Summer Intern	Bombay, India Summer 2015
– Development of Big Data Analysis system for IIT-BombayX (IIT Bombays MOOC platform) inspired by OPENedX Insights (OPENedXs data analytics system.).	

TEACHING

- **Teaching Assistant** at Saarland University Summer 2020
Image Processing and Computer Vision, Prof Joachim Weickert
- **Teaching Assistant** at IIIT Allahabad Fall 2015
Introduction to Programming, Prof G C Nandi

SKILLS

- **Languages :** C, C++, C#, Python, Java

LANGUAGES

- **Language:** English, Hindi, Bengali (Native)

PUBLICATIONS

1. **Das, A.**, Xian, Y., He, Y., Akata, Z., Schiele, B. “Urban Scene Semantic Segmentation with Low-cost Coarse Annotation”, *Winter Conference on Applications of Computer Vision (WACV), January 2023*
2. **Das, A.**, Xian, Y., He, Y., Schiele, B., Akata, Z. “(SP)²Net for Generalised Zero Label Semantic Segmentation”, *DAGM German Conference on Pattern Recognition, September 2021*

TALKS

- Urban Scene Semantic Segmentation with Coarse annotation at TRACE 2022 Leuven, Belgium
- Generalised Zero-shot Semantic Segmentation with superpixels at GCPR 21 Virtual

SCHOLARSHIPS, ACHIEVEMENTS AND AWARDS

- GCPR 21 Young Researcher Forum Best Master thesis award 2021
- Saarland Stipendium funded by DAAD for summer semester 2021
- Saarbrücken Graduate School of Computer Science Scholarship (< 3% applicants get selected) 2019
- Top Performer at Qualcomm India in the Annual Review. 2018
- 3 Qualstars at Qualcomm India for different projects. 2018
- Class rank 6 th out of 185 students in bachelors in Information Technology at IIIT Allahabad. 2018
- Institute Merit Scholarship [IIIT Allahabad] for getting into top 5% of the class. 2017
- 43rd rank (Asia) in Worldquant Websim Challenge (Quant competition) 2014
- DST Inspire Scholarship awardee, 2012 for getting in top 1% in India in CBSE Board, 2012 2012
- Qualified Regional Mathematics Olympiad (RMO) 2011

EXTRACURRICULAR ACTIVITIES

- Coordinator at FOSS society 2015–2016
Lead/organise all Open Source events at the university