Personal information

Surname / First name	**Iyer Venkatesh R**
Address	Kurt Schumacher Straße, 8.U2, Kaiserslautern
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Professional Email	iyervenkatesh92@gmail.com
Nationality	Indian
Date of birth	3 June 1992
Gender	Male
LinkedIn	https://www.linkedin.com/in/iyervenkatesh3692/
GitHub	https://github.com/venkyiyer

Work Experience

Nov 2019 - Present

Student assistant, MindGarage (Technische Universität Kaiserslautern)
Assisting students regarding Deep Learning course, Master projects and thesis. Hardware and software maintenance of lab

Oct 2018 - June 2019

Student assistant, Department of Cognitive and Developmental Psychology
Designed and developed three world-wide known psychometric test procedures (flanker test, mental rotation and n-back) for usage in mobile device

July 2014 - Aug 2016

Associate software developer, Ernst & Young(EY), Bengaluru, India
Designed, developed and supported live applications using Microsoft SharePoint. Lead team size of 4 (consultants) for J.P Morgan Chase to manage internal audit (Sarbanes-Oxley Act) data on Microsoft SharePoint

June 2013 - June 2014

Software engineering intern, Leon's Integrations, Vadodara, India
Team size of 2. We developed the account and taxation modules which were integrated in the Enterprise Resource Planning (ERP) business management software

Education

Oct 2016 - Present
Title of qualification awarded

Technische Universität Kaiserslautern, Germany
M.Sc in Computer Science(Artificial Intelligence)

Key courses

Deep Learning, Applications of AI, Computer Vision, Machine Learning, Embedded Intelligence, Biologically Motivated Robots

June 2010 - June 2014
Title of qualification awarded

Gujarat Technological University, India
Bachelor of Engineering in Computer Science

Key courses	Operating systems, Data structure and Algorithms, Compilers, AI, Computer graphics

Research Experience

May 2019 - May 2019	**In-house project, Toxic Comment Classification** Implemented a web application to detect measure of toxicity (trash talks, vulgar comments) in YouTube video comments. Used Kaggle data-set and BERT based architecture
June 2019 - Jan 2020	**Master Thesis, Semantic Segmentation and Object Detection using a common pipeline** Designed and implemented a combined multi-task architecture to learn Computer Vision problems semantic segmentation and object detection in parallel. This architecture uses a shared encoder. Reduces the total cost
April 2019 - May 2019	**In-House project, Cancer Nuclei Segmentation** Explored traditional Computer Vision and Deep Learning (UNet) for cell segmentation. Work based on data-set borrowed from 2018 Data Science Bowl Competition
Oct 2018 - March 2019	**Master project, Semantic Segmentation and Object Detection using OpenCV library** Implemented semantic segmentation architecture using city dataset. Using OpenCV, detected objects on the segmented map. Lastly, classified each object using a classification network
Oct 2017 - Feb 2018	**In-House project, Classifying political affiliation based on Twitter posts** Team size of 3. Classification of each German political figure within their political party using their tweets. Used pre-trained NLP technique Word2Vec. Data-set from 7 major political parties in Germany

Community Involvement

Research lab	Member of organizing committee of MindGarage lab, founded by Insiders Technology, Kaiserslautern. Responsibilities include hardware and software maintenance of lab infrastructure, organizing hackathons for research purpose

Skills

APIs, libraries, frameworks	TensorFlow, Keras, NumPy, SciPy, Scikit-learn, Pandas, Jupyter Notebooks, OpenCV, HTML/CSS, Flask, Docker
Programming languages	Python, C++, JavaScript
Databases	Oracle, DB2, MySQL
Scrum	Jira
Version Control	Git

Additional Information

Languages	English (fluent), German (basic), Tamil (mother tongue)
Hobbies	Playing computer games, listening music, playing football
Trainings	Machine Learning course by Stanford University (Coursera) Sequence models for natural language and audio (Coursera) SharePoint and SharePoint Designer 2010, 2013

References available upon request