

# Sricharan Chiruvolu

s.chiruvolu@tum.de — <https://sric.me> — GitHub: deemedkage — LinkedIn: sricharanchiruvolu

## EDUCATION

---

- **Technical University of Munich** Munich, Germany  
*MSc. Computer Science/Informatik (Majoring in Computer Vision and AI)* April 2018 – 2020 (expected)
- **Amrita University** Bengaluru, India  
*B.Tech, with first-class distinction in Computer Science and Engineering* Aug 2012 – Aug 2016

## EXPERIENCE

---

- **Lexoro.ai** Munich, Germany  
*Working Student - Computer Vision* Jan 2019 - Present
  - **Research Intern - XLabs:** Part of the research team working on different computer vision based (mini-) projects including building a 3D Morphable Model construction pipeline for various body parts.
- **Allianz.de** Munich, Germany  
*Working Student - Enterprise Architecture* Aug 2018 - Dec 2018
  - **Enterprise Architecture:** Design and prototype a unified enterprise architecture management (EAM) standard across all subsidiaries and entities of the Allianz Group.
- **SAP.com** Bengaluru, India  
*Associate Development Consultant* Jan 2017 - March 2018
  - **Consultant:** Member of Mobile, UX and SAP Hybris team (Innovation and Tech. competency), SAP India. Consulted and developed prototypes and solutions for large enterprises including Elseco and Jafra, in the domains of SAP Hybris (e-commerce platform) and SAP Leonardo (machine learning platform).
  - **1BLives 2017:** Winner (team of 5) of an APJ level employee-led entrepreneurship competition. Allotted 200000 EUR seed fund to pursue research in water management using SAP-IS Technologies.
  - **SAP ML Academy:** Responsible to present and curate internal trainings and talks for machine learning enablement across teams at SAP Solution Delivery centres.
- **Runnr.in (acquired by Zomato.com)** Bengaluru, India  
*Software Development Engineer* Jan 2016 - Dec 2016
  - **Member of Technical Staff - Supply:** Runnr is a hyper-local food/logistics delivery startup in India. Formulated the development of multiple data models to increase delivery driver efficiency at a hyper-local level. Built software systems such as smart suggestions, driver reassignments etc to drive better unit economics and lesser attrition / easier on-boarding of delivery drivers in last-mile logistics.

## NOTABLE PROJECTS

---

- **End-to-End Human Shape Recovery from Video (In Progress):** The project aims to reconstruct 3D shape of humans from a monocular video stream considering a human subject is standing as-rigid-as-possible and the camera moving around, within our end-to-end framework. Guided Research Project, advised by PD Dr. Slobodan Ilic from the Chair for Computer Aided Medical Procedures & Augmented Reality, TU Munich and Siemens.
- **Attention and Focal Loss in Single-Organ Segmentation (team of 4)(In Progress):** The project aims is to explore attention methodologies in the task of (binary) organ segmentation from CT scans. For this, we are trying to implement and extend a basic model with one attention-based method for segmentation and compare the results with a second model trained with a focal loss strategy.
- **Fully Convolutional Neural Network for Dense Landmark Localisation on Human Body Parts (In Progress):** The project aims is to map human body images to a template shape via a discriminatively trained convolutional network with invariance to shape deformations of human body parts. Interdisciplinary Project, in collaboration with Chair of Human - Machine - Communication, TU Munich and Lexoro.ai.
- **Mview (team of 4):** Multiple view stereo reconstruction and comparison of various block matching algorithms on 120 synthetically generated stereo images.
- **ChemStreet (team of 2):** The App extracts chemical names from a large text in real-time and renders interactive 3D structures of molecules/ proteins mentioned in the text on an AR environment.
- **Calory:** Calory is a health assistant bot. Takes care of daily calorie intake, schedules water intake, recognises and recommends food based on an image.
- **EyeTBox:** Eye tracking using an EyeTribe device for heat-map overlay generation on websites. Developed for generating targeted advertisement locations on a webpage based on user gaze locations.
- **RayBox:** An image synthesis system based on ray-tracing which includes reflections, refractions, soft shadows and depth of field.
- **Classbox:** A productivity suite for schools and colleges to interact effectively. Features include an interactive drawing board, chat rooms, dedicated forums, quiz generation, analytics dashboard and push notifications.

## ACTIVITIES

---

- **ACM Munich Chapter:** Part of a network of motivated students with diverse academic backgrounds, organising CS related events in Munich.- [munichacm.de](http://munichacm.de).
- **Internet Society (India Bangalore Chapter):** Board member and chapter voting delegate for Internet Society India Bangalore Chapter - [isocblr.org](http://isocblr.org). Active Internet Society member since 2014 – currently responsible for the outreach and mentoring the fellow members on the Internet standards and governance.