

Utkarsh Gupta

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EDUCATION

TECHNICAL UNIVERSITY, KAISERLAUTERN

MASTERS IN COMPUTER SCIENCE
Expected Jun 2017 | Kaiserslautern,
Germany
Cum. GPA: 2.2

KRISHNA ENGINEERING COLLEGE

B. TECH IN COMPUTER SCIENCE
June 2012 | Ghaziabad, India
Overall Percentage: 74.1%

LINKS

LinkedIn:// [LinkedIn](#)
HackerRank:// [HackerRank](#)

COURSEWORK

GRADUATE

Artificial Intelligence • Very Deep
Learning • Object & People Tracking •
3D computer Vision • Machine Learning •
Collaborative Intelligence • Semantic
Technologies • Information Retrieval •
Distributed Data Management
(Research Assistant at DFKI in the Computer Vision
Department)

UNDERGRADUATE

Operating Systems • Distributed Systems
• Design and Analysis of Algorithms •
Object Oriented Techniques • Computer
Concepts & Programming in C • Computer
Network & Graph Theory • Software
Engineering & Web Technology • Digital
Image Processing • Artificial Intelligence •
Parallel Algorithms

SKILLS

PROGRAMMING

MatLab • Python • C++ • C • Torch(LUA)
• GIT • OCTAVE • L^AT_EX • cmake • Qt
• Familiar or Previously worked on:
OpenCV • Caffe • ASP.net & ADO.net •
Web Service • TFS and SVN • SQL Server
2008 • JavaScript • CSS • EDI Tools

OPERATING SYSTEM

Windows • Linux

EXPERIENCE

DFKI, KAISERSLAUTERN | RESEARCH ASSISTANT

Aug 2016 – Present | Kaiserslautern, Germany

• RESEARCH PROJECT | AUG 2016 – DEC 2016

Worked on a research project to improve the reconstruction obtained from any previous approach. This worked was motivated to obtain reconstruction with least mean error.

• SMART EYE TRACKING | DEC 2016 – PRESENT

Currently working on Smart Eye Tracking project to perform calibration on multiple cameras to obtain synchronised data and estimate the human gaze within an controlled environment.

MOTHERSONSUMI INFOTECH & DESIGNS LIMITED | SOFTWARE ENGINEER

Jul 2012 – Jan 2015 | Noida, India

• WEB BASED EXPERIENCE

- Integration of Team Foundation Server (TFS) in an ASP.Net website using Web service (Windows Communication Foundation Service).
- Experience in requirement gathering and client support.
- Worked on the Migration of website project and provided further maintenance and support as per client's guidelines.

• EDI-BUSINESS INTEGRATION BASED EXPERIENCE

- Configuration management on the server along with maintenance and monitoring of the servers.
- Creation of Linux scripts for file management.
- Creation and deployment of maps used for extracting business data.

PROJECTS

MASTER'S THESIS | DFKI, KAISERSLAUTERN | GUEST RESEARCHER

Jan 2017 – present | Kaiserslautern, Germany

Currently working on Torch to perform deep learning to obtain similar clothing dataset.

MASTER'S PROJECT | DFKI, KAISERSLAUTERN | GUEST RESEARCHER

Jan 2016 – Sep 2016 | Kaiserslautern, Germany

Worked on a research project to obtain reconstruction of a deformable object from single camera image sequence. Publication accepted.

RFID MANAGEMENT SYSTEM | UNDERGRADUATE PROJECT

Feb 2012 – Apr 2012

Developed an interface which reads the RFID tag's information and extracts information from the Database against the unique ID.

RESEARCH

DENSE UNCALIBRATED PERSPECTIVE RECONSTRUCTION OF NON-RIGID STRUCTURE FROM MONOCULAR VIDEO | RESEARCH

Nov 2016 | Kaiserslautern, Germany

Publication accepted at VISAPP conference 2017.