SOUNAK DEY

Ph.D. Student at Computer Vision Center

@ sdey@cvc.uab.cat   📞 +34 608 567 265   ✉ CVC, Edifici O, UAB, 08193   📍 Barcelona, Catalunya

🔗 http://www.cvc.uab.es/people/sdey/   in linkedin.com/in/dey-sounak   ⓞ github.com/sounakdey

EDUCATION AND TRAINING

Ph.D. Student in Computer Science
Computer Vision Center, Universitat Autónoma de Barcelona

📅 October 2016 – Ongoing   📍 Barcelona

- Topics: Structural representations, Deep Learning.
- Visiting: *Queen Mary University of London* – Dr. Yi-Zhe Song
- Supervisors: Josep Lladós and Umapada Pal

M.Sc. in Computer Vision
Universitat Autónoma de Barcelona

📅 September 2014 – September 2015   📍 Barcelona

Graduated with Honours

M.Tech. in Instrumentation and Control Engineering
Calcutta University

📅 August 2009 – July 2011   📍 Kolkata

Graduated with Honours

SELECTED PUBLICATIONS

📄 Journal Articles

- Dey, Sounak et al. (2017). "Script independent approach for multi-oriented text detection in scene image". In: *Neurocomputing*.

👥 Conference Proceedings

- Dey, Sounak et. al. (2019). "Doodle to Search: Practical Zero-Shot Sketch-Based Image Retrieval". In: *CVPR. (Oral)*.
- Dey, Sounaka et. al. (2018). "Aligning Salient Objects to Queries: A Multi-modal and Multi-object Image Retrieval Framework". In: *ACCV*.

(Google Scholar h-index=7, full list in my personal webpage)

SELECTED PROJECTS

CONtextualising the COntents in the Recognition of Document Images from Archives (CONCORDIA)
MINECO

📅 2015 – 2016   📍 Barcelona

Incorporating context to human interface for historical documents.

EXPERIENCE

Project Linked Personnel
Indian Statistical Institute

📅 October 2011 – November 2014   📍 Kolkata

Collaborate at different research projects on the topics of: real time digital signal processing, structural pattern recognition and word spotting.

STRENGTHS

Computer Vision   Machine Learning   Deep Learning   Pattern Recognition

Python(+PyTorch)   MATLAB   LaTeX

OTHER PROFICIENCY

C++
JAVA
Emebedded C
VHDL

OTHER EXPERIENCE

Project Engineer
Enterprising Developers

📅 July 2008 – May 2009   📍 Kolkata

PLC Drives and development of standalone drivers

TEACHING

Software Engineering in Computer Science
Universitat Autónoma de Barcelona

📅 2017 – 2019   📍 Barcelona

Physical Optics and Light
George Group of Colleges

📅 August 2009 – July 2011   📍 Kolkata

LANGUAGES

English ●●●●●

Bengali ●●●●●

Spanish ●●●○○

HONOURS AWARDS

🏆 **Awarded Grant for Best Paper (2019)**
Dept. of Computer Science, Universitat Autónoma de Barcelona

🏆 **2nd**
Dept. of Electronics and Instrumentation during B.Tech