

# AKSHAT DAVE

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## EDUCATION

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### University of California San Diego (UCSD)

Master of Science, Computer Science

Specialization : Artificial Intelligence and Machine Learning

*Sep 2014 - Jun 2016*

Overall GPA: 3.83/4

### École Polytechnique Fédérale de Lausanne (EPFL)

Research Exchange, Integrated Systems Laboratory

*Jan 2011 - Jul 2011*

Overall GPA: 5/5

### Nanyang Technological University (NTU)

Bachelor of Engineering, Computer Engineering

*Jun 2008 - Jun 2012*

Overall GPA: 4.38/5.0

## EXPERIENCE

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### Informatica Corporation

*R&D Intern, Redwood City, CA*

June 2015 - Sep 2015

- Optimization of data integration application setup as part of the platform team (**Java**)
- Transforming procedural workflows to parallelized designs for reducing setup time

### Credit Suisse AG.

*Technical Analyst, Singapore*

July 2012 - July 2014

- Key member of data analysis and reporting team for global investment banking decision support
- Led development and deployment of multi-source financial accounts' reconciliation system (**Java**)
- Served on the datawarehouse team for financial accounting and regulatory reporting (**Oracle database**)
- Contributed to requirements elicitation and database design of credit risk reporting solutions (Basel-III)
- Organized team training workshops for functional knowledge training

### Hughes Systique Corporation

*Digital Signal Processing Intern, New Delhi*

May 2010 - July 2010

- Extensively optimized Voice Quality Enhancement algorithm for VoIP deployment on carrier network (**C++**)
- Conducted model review and analysis, and optimization for embedded platform
- Authored an internal paper on the model for employee training purposes

## SELECTED PUBLICATIONS BY THEME

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### Pattern Recognition

- *Application of convolutional neural network models for personality prediction from social media images and citation prediction for academic papers* - A. Dave, Master's Thesis, UCSD 2016
- *Improving Saliency Models by Predicting Human Fixation Patches* - R. Dubey, A. Dave, B. Ghanem , ACCV 2014

### Mathematical modeling

- *Do Humans Fixate on Interest Points?* - A. Dave\*, R. Dubey\*, B. Ghanem, ICPR 2012
- *Memristive Biosensors Under Varying Humidity Conditions* - F. Puppò, A. Dave, M.-A. Doucey, D. Sacchetto, C. Baj-Rossi, Y. Leblebici, S. Carrara, and G. De Micheli, IEEE Trans. on NanoBioscience 2014

## TECHNICAL SKILLS

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### Computer Languages

Java (Intermediate), MATLAB (Intermediate), SQL (Beginner)