ANIKET S BONDE

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401 Stasney St, Apt no. 304,
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OBJECTIVE

- To achieve a Data Scientist position in a reputed company.

EDUCATION

Texas A&M University, College Station, Texas, USA. [Expected May 2018]

- Master of Science, Electrical Engineering.
- Machine Learning with Networks, Mobile Wireless Networks, Statistical Communication Theory.

Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded, India [*May 2016*]

- Bachelor of Technology, Electronics and Telecommunication Engineering.
- CGPA: **9.8/10** Rank: **1/150** (**Gold-Medallist** each year)

College of Engineering, Pune, India (COEP) [*July 2014 – Dec 2014*]

- Got selected under '**Credit Transfer Scheme**' to perform fifth semester of B. Tech. course at COEP.
- SGA: **9.5/10** Rank: **1/80**

RESEARCH PAPERS COMMUNICATED

Single Trial Estimation of Visual Evoked Potentials in Time-Frequency Domain

- Time-frequency localization of the VEPs is achieved by using wavelet domain information across the trials in an ensemble for estimation.
- Developed the algorithm to select appropriate wavelet coefficients on each chosen highest energy scale and designed a Time-Frequency Filter accordingly.
- The denoised transform for each single trial VEP is obtained by applying the designed T-F filter.
- Finally, these denoised transforms are inverted to get estimated single trial VEP responses.

Object Removal and Image Restoration within Subspaces by Prioritized Exemplar Patch-based Optimization

- The subspace images subjected individually to the proposed 'prioritized exemplar patch based approach' to fill-in different structures and textures.
- Optimized the patch size and search regions to cope up different sizes of textures, structures and varying resolution of the underlying subspace image.
- These restored subspace images are superposed to obtain the final restored image.

INTERNSHIPS AND PROJECTS

Predicting the Amazon Reviews' Helpfulness Ratings [*Aug 2016 – Oct 2016*]

- Created a algorithm which can predict how helpful a review on amazon is by using the previously available data using Machine Learning Techniques.
- Most of the reviews shown on Amazon are very outdated because they have been rated by the users while the newer reviews are not popular because they are not rated by many users

Indian Institute of Technology, Bombay (Digital Signal Processing) [*May 2015 – June 2015*]

- Analysed & simulated real time audio effects using Matlab Simulink on TMS320C5515DSK platform.
- Configured AIC23 codec registers and programmed the C5515 processor using Texas Instruments' Code Composer Studio

Autosys Engineering Pvt. Ltd., Bombay (Solar Tracker System) [*Dec 2014 – Jan 2015*]

- Discovered an algorithm for the two axis controlled solar tracker for real-time Sun tracking.
- Developed latitude-longitude based Sun's position tracker for cloud mitigation in solar photovoltaic tracking that is installed and proving better in the prevalent solar tracking systems in Bombay.

Smart Traffic Control using Digital Image Processing (Project) [*July 2015 – Nov 2015*]

- Developed hardware & software algorithm for processing real time traffic images to analyse road traffic density.
- Implemented this algorithm on Raspberry Pi (Open CV platform) which dynamically controls the street lights using Pattern Recognition & Fuzzy Logic.

Content Based Image Retrieval using Texture Features (Project) [*Jan 2015 – May 2015*]

- Used Salzburg Texture Image Database and Computed texture related features in Wavelet Domain.
- Used various distance measures for retrieval.

COMPUTER SKILLS AND LANGUAGES

- Languages and tools: Python, C, C++, MATLAB, LabVIEW, Microsoft Word, Power Point, Excel.
- Operating Systems: Android (Open Source), Windows Operating Systems.

SOCIAL SERVICE

S. G. G. S. Memorial Hospital associated to Government Medical College, Nanded

[*Aug 2012 – July 2014 & Dec 2014 – May 2016*]

- Assisted patients & their families with personal environmental difficulties which predisposed illness or interfered with obtaining maximum benefits from medical care.
- Identified poor patients and helped them to get financial assistance from Government and Non-Government Organizations. Also assisted them in non-clinical services.

LEADERSHIP ACTIVITIES & OTHER ACHEIVEMENTS

- Represented the students' perspective in the House of Senate at my institute as the under graduate students' representative for the academic year 2013-14.
- Elected and carried out the duties as 'Class Representative' for 3 consecutive years.
- Represented my Institute at **National level** Inter-University Swimming Tournament 2013, India.
- Successfully completed '50th Long Distance Sea Swimming Race (5 kilometres)' in the Arabian Sea, organised by **Indian Navy**.
- Bagged 2nd price in 'Encrypto : A Digital Design Contest' at technical fiesta of COEP, Mind Spark'14.