

Aalap Ashtamkar

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Citizenship Status: Permanent Resident

Education

Texas A&M University (TAMU)

Bachelor of Science, Mechanical Engineering (Transfer)
3.4 GPA

Aug 2013 – May 2015 (Expected)

K.J. Somaiya College of Engineering, Mumbai (KJSCE)

Bachelor of Engineering, Mechanical Engineering
Distinction (3.83 GPA Equivalent Calculation)

Aug 2011 – May 2013 (Transfer)
University of Mumbai (Bombay)

Work/Research Experience

- **Undergraduate Research, Aggie-Challenge, Texas A&M** Jan 2014 - Date
 - Goal of the project involves design and fabrication of optically transparent batteries for solar cells and 3-D electrode architecture for lithium-ion batteries based on principles of nanomaterials and thin films.
 - Responsibilities will include working collaboratively with other undergraduate and graduate students on the project as well as writing progress reports.
- **Student Technician, Industrial Assessment Center, Texas A&M** Jan 2014 - Date
 - Responsibilities will include working in a team that performs the audit. As a program sponsored by the Department of Energy, will analyze data to develop solutions and identify opportunities to enable industries to save money by saving energy, increasing productivity and managing wastes.
 - Responsibilities involve data retrieval using instruments such as Anemometers, Infrared cameras, Ultrasound generators, thermocouples, laser distance finder etc. Calculations and report writing will be performed and included as a part of official assessment report sent to the Company audited.
- **Tutor, Texas A&M Athletics Department** Sept 2013- Date
 - Tutored student athletes at Texas A&M University in Material Sciences and Thermodynamics.
- **Student Reporter, 'the Battalion', Texas A&M Student Newspaper** Sept 2013 – Dec 2013
 - Wrote articles on cultural and technical topics. Learned important skills including but not limited to, writing in Associated Press Style, learning to be able to meet with deadlines, interacting with various sources to piece together information for the article

Personal Skills

- Competent in Technical/Non-Technical Communication
- Conducted seminars and presentations for large groups
- Efficient and Reliable Team Player
- Enthusiastic, organized and Enterprising
- Fluent in English, Hindi, Gujarati, Marathi

Mechanical Skills

- Engine Lathe Machine – Basic
- Abrasive Grinding – Basic Operations
- Drilling, Milling, Filing – Basic Operations
- Welding, Forging – Basic Operations

Software Skills

- Microsoft Word/Excel/PowerPoint
- JAVA/C++/ LabVIEW – Basic Proficiency
- Autodesk AutoCAD, Inventor Basic Proficiency
- MATLAB/Simulink- Limited Proficiency
- 8085 Microprocessor – Assembly Language Based

Leadership Opportunities

- **Jt. Magazine Secretary, KJSCE Student Government** Aug 2012 – July 2013
 - Personally involved in every step of the conceptualization and final publication of the college magazine as a part of three member committee. Self-illustrated all illustrations that appeared in the magazine.
 - Quizmaster and host for 'Ubiquitous 2.0', an inter-collegiate quiz competition involving over 120 students. Part of two member team that coordinated the 'Technical Treasure Hunt' with a participation of over 200 students.
- **Vice President, KJSCE Model United Nation Society** Aug 2012 – July 2013
 - Conducted multiple seminars/training sessions for new members of the MUN society to train them in Model UN format, techniques, etiquette and procedure.
 - Led a team of 9 students to represent the college at the Harvard World ModelUN, 2013 at Melbourne, Australia.

Miscellaneous

- **Actor :** Worked in over 15 television commercials and print advertisements for brands such as Samsung, Britannia, Coca-Cola India, Horlicks, Reynolds, Reliance Comm., Bombay Dyeing and many more.
- Former **Sports Blogger:** English Premier League focus for three different websites - cumulative 70,000+ reads.
- **Hobbies: Reading:** Almost all genres, **Writing:** Poems/Short-Stories, Playing **Soccer, Drawing, Building** things from scraps/waste/junk.