Ashar Ali

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EDUCATION

Georgia Institute of Technology, Atlanta, Georgia — 2017 – Present
M.S. in Electrical and Computer Engineering

Indian Institute of Information Technology Allahabad, U.P., India — 2012 – 2016
B. Tech. in Electronics and Communication Engineering
- CGPA: 8.65 / 10.00

SKILLS

Languages- C, C++, Python and SQL.
Technology- MATLAB, MS Visual Studio(familiar with OpenCV/OpenGL/Kinect libraries), Qt, Teradata and Informatica.
Key Interests- Machine Learning, Computer Vision and Data Science.

WORK-EXPERIENCE AND INTERNSHIPS

ZS Associates, New Delhi, India — Aug 2016-May 2017
Business Technology Analyst
- Data Engineering role for creating Business Intelligence Solutions.
- Extraction, Transformation and Loading (ETL) Development to warehouse sales data of a US Pharmaceutical client into organized data marts.
- Was recognised with the 'Project Champions Award' 2016 for seamless contribution to the Commercial Analytics Hub.

Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland — Mar 2016-May 2016
Bachelor's Theses at Systemic Modelling Lab (LAMS)
- Contributed by developing a fundamental block towards building an Image Manipulation Framework for Surfacing Tacit Elements of Human Behaviour.
- Analysis and visualization of the skeletal tracking by Microsoft Kinect.
- Development of a Qt based GUI to create a database of human joint locations in static images.
- Implementing algorithms for estimation of human body postures from static images using Matlab.

Institute for Development and Research in Banking Technology, Hyderabad, India
Project Trainee — May 2015-Dec 2015
- Completed the development of an algorithm to extract rectangular pantograph region present in cash cheques. This work was spread over a full time summer internship during May – July, and after that as an off campus intern during July – December. The work done in this internship was published as a research paper in the following mentioned conference.

PUBLICATION

- A. Ali and R. Pal, "Detection and extraction of pantograph region from bank cheque images," in *IEEE International Conference on Signal Processing and Integrated Networks (SPIN)*, Noida, U.P. India, Feb 2016.

ACADEMIC PROJECTS

- **Human Emotions: A Facial Expression Perspective**- Revamped existing algorithm by an approach based on texture feature extraction, dimensionality reduction using PCA, and training and testing an SVM using RBF kernel. Also, used a self-created image database along with a standard one from Cornell University and obtained similarly accurate results.
- **Hexapod**- This robot consisting of a circular chassis and 18 servo – motors (3 in each limb) was programmed using Arduino MEGA 2560 to successfully implement locomotion of insects.

OTHER ACHIEVEMENTS

- Successfully coordinated the management, marketing and publicity of the annual cultural festival Effervescence 2014 as the Overall Coordinator.
- Member of the college badminton team.