

SAQIB NIZAM SHAMSI

📍 Pune, Maharashtra, India

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🔗 saqibns.github.io

EXPERIENCE

Software Engineer

Whirlpool Corporation

AUG 2018 – Present | Pune, India

- Working on applications of Computer Vision in home appliances, specifically in the domain of object detection.
- Primary responsibilities include data collection and fine-tuning deep learning algorithms.

Software Engineer

Aspiring Minds

JUL 2016 – AUG 2018 | Gurgaon, India

- **Auto-Interview Scoring**
 - Integration of computer vision based assessment with content assessment and speech assessment.
 - Making the system fault tolerant.
- **Automated Program Grading**
 - Plagiarism detection via lexical analysis.
 - Improvement of User Experience.
 - Determination of program quality via static analysis.

Research Intern

Aspiring Minds

APR 2016 – JUN 2016 | Gurgaon, India

- Worked on static analysis of programs in C, C++, Java, Python and PHP to derive scoring metrics.

Intern

Tata Research Development and Design Centre

AUG 2015 – NOV 2015 | Pune, India

- Worked on automated translation of constraints from regulation statements to Eclipse Java templates. Developed a plug-in for Eclipse IDE to aid programmers in implementing these templates in their projects.

PROJECTS

Predicting Emotions of a Group

Emotion Recognition In the Wild, 2017

- Worked on emotion detection of a group of people in an image.
- Used an ensemble of two Convolutional Neural Networks, one trained on emotion heatmaps and the other fine-tuned on ImageNet data.
- Achieved a test accuracy of 70.64%, 17.02% above the baseline.

PUBLICATIONS

- **Saqib Nizam Shamsi**, Bhanu Pratap Singh, Manya Wadhwa. Group Affect Prediction Using Multimodal Distributions. *WACV Workshop on Computer Vision for Active and Assisted Living*, 2018.
- A. S. Nain, **Saqib N. Shamsi**, Mayank Chaudhari, Deepak Bisht. Mobile Based Disease and Pest Monitoring and Management System for Addressing Biotic Stresses in Crops. *Journal of Agrometeorology*, 2018.

EDUCATION

B.Tech in Computer Engineering

Govind Ballabh Pant University of Agriculture and Technology

AUG 2011 – JUN 2015

GPA: 8.08/10.0

First Division with Distinction.

ACHIEVEMENTS

Top 1%, Microsoft AI Challenge India 2018
Competition on text based query resolution. Was amongst the top 20 teams. The competition was organized by Microsoft Research, India.

9th, Computer Vision Challenge
Competition on T-Shirt classification. The competition was organized by HackerEarth.

Employee of the Month
Awarded for delivering time critical projects at Aspiring Minds.

Second Runner-Up, Sentiment Analysis Competition
Competition on Sentiment Analysis of hotel reviews, run by HackerEarth.

Finalist, CodeVita 2014-15
A programming contest organized by Tata Consultancy Services. Our two member team was one of the *top 15* teams out of a total of 49,000 participating teams.

SKILLS

Programming Languages

Python Java PHP Bash

Operating Systems

Linux Windows

Tools and Libraries

Scikit-Learn Keras PyTorch
Pandas MySQL Git PLY

VOLUNTEER

Machine Learning India

ml-india.org

FEB 2018 – Present

Outreach and website maintainence.