

SAQIB NIZAM SHAMSI

📍 Pune, Maharashtra, India ✉️ shamsi.saqib@gmail.com 🔗 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 closed loop cooking.
- Primary responsibilities include data collection and fine-tuning deep learning algorithms.
- Worked primarily on Image Classification and Regression, Zero-Shot Learning, 6-Channel CNNs.
- Conducted training sessions for machine learning.

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.

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

Got Accepted Into Udacity's Scholarship Program

Obtained a scholarship for Udacity's Secure and Private AI Challenge Nanodegree.

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.

SKILLS

Programming Languages

Python Java PHP Bash

Operating Systems

Linux Windows

Tools and Libraries

PyTorch Keras Scikit-Learn
Pandas MySQL Git PLY

VOLUNTEER

Omdena

Machine Learning Engineer

JUNE 2019 – Present

- Supporting United Nations World Food Program for crop identification using satellite imagery.
- Worked on image super resolution using deep image prior and SRGAN, semi-supervised learning using virtual adversarial training.