SAQIB NIZAM SHAMSI

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EXPERIENCE

Software Engineer
Aspiring Minds
JUL 2016 – Present | 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**
  - Development of a new system for program grading where users write the entire code from scratch as opposed to pre-existing system in which they only implement a function.
  - 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.

Predict the Happiness
HackerEarth

- Competition on Sentiment Analysis of hotel reviews.
- Used data augmentation, text embeddings and a Convolutional Network for the text reviews. Stacked an XGBoost classifier on top, which used other categorical variables in the provided dataset.
- Achieved a test accuracy of 90.84% (the best submission was of 90.96%).

EDUCATION

B.Tech in Computer Engineering
Govind Ballabh Pant University of Agriculture and Technology
AUG 2011 – JUN 2015
GPA: 8.0/10.0
First Division with Distinction.

ACHIEVEMENTS

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

Second Runner-Up
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
MySQL   Git   scikit-learn   keras   pandas   PLY