

# ROHIT TAKHAR

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## EXPERIENCE

### Research Engineer

#### Aspiring Minds

June 2016 – Ongoing

Gurugram, Haryana, India

- **Automatic business email evaluation**  
Co-developed a system which can evaluate emails on content/contextual relevance, grammar and structure of the email. System has been used to evaluate more than 10k candidates.
- **Auto-interview**  
Developed a system to automatically evaluate a candidate on HR fitness. Used facial and prosody features to evaluate different personality traits. Candidate's response is evaluated to see the contextual relevance to the question. In addition to this, the system also evaluates English speaking skills(pronunciation, fluency) of the candidate. System has been used to evaluate more than 30k candidates.
- **Grading uncompileable programs**  
Developed a system to grade uncompileable programs on the basis of logical correctness of the program. Supported languages: C, C++ and Java. System has been used to evaluate more than 80k candidates.

### Research Intern

#### Aspiring Minds

Dec 2015 – Feb 2016

Gurugram, Haryana, India

- Developed a system to identify the time complexity of python programs. My approach helped the team to scale time complexity tool to 15 more languages.

### Student Trainee

#### Samsung Research Institute

June 2015 – July 2015

Bengaluru, Karnataka, India

- As part of Memory Solutions Group, I developed a system to run tests on SSDs parallely. It improved the efficiency of the team to a large extent. Reports were emailed to the concerned people automatically. This internship helped me in understanding the concepts to write production-grade code.

## PROJECTS

### Operating System Algorithms Visualization App

#### Advisor: Prof. Pinaki Chakraborty, NSIT

June 2015 – March 2016

Gurugram, Haryana, India

- Co-developed a desktop and android application which can be used by students/teachers to visualize various operating system algorithms (CPU Scheduling, Page Replacement etc.)

### Multi-segmented FTP Client

#### Advisor: Prof. Khushil Saini, NSIT

Jan 2015 – April 2015

Gurugram, Haryana, India

- Developed multi-segmented FTP client which follows RFC 959.

## EDUCATION

### B.E in Computer Engineering

#### Netaji Subhas Institute of Technology

Aug 2012 – June 2016

Percentage: 74.23%

## PUBLICATIONS

Rohit Takhar, Varun Aggarwal. Grading uncompileable programs. *conditionally accepted @ IAAI Deployed Track, 2019*

## ACHIEVEMENTS

#### Employee of the Month

Awarded for contributing with new research ideas and implementing those ideas at Aspiring Minds.

#### Merit Scholarship

Awarded scholarship every year during bachelors (2012–2016) for distinctive performance in academics.

#### ACM ICPC

Chennai Region 2015. Our three member team secured 55 rank.

#### AIEEE

Secured All India Rank 880.

## SKILLS

#### Programming Languages

Python

C/C++

PHP

#### Tools and Libraries

MySQL

Git

scikit-learn

keras

pandas

NLTK

## INTERESTS

#### Drawing

I like to draw. You can checkout some of my work at my Instagram page: [pastel\\_it](#).

#### Travelling and Adventure Sports

## VOLUNTEER

### Machine Learning India

#### ml-india.org

June 2017 – Present

Co-organizing meetups in Gurugram and managing meetups in other cities across India.