Abdul Fatir Ansari

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EDUCATION

IIT ROORKEE
B.Tech. in Civil Engineering
Senior year | Roorkee, India
CGPA: 7.1 upto 6th semester

ST. MARY'S SCHOOL
Grad. May 2012 | Najibabad, India
12th: 93.75%
10th: 92%

TEST SCORES

GRE: 327 (168Q + 159V + 4AWA)
TOEFL: 110

LINKS

Github:// abdulfatir
Twitter:// @solitarypenman
Reddit:// SolitaryPenman

INTERESTS

Bioinformatics
Computer Vision
Machine Learning
Image Processing

SKILLS

PROGRAMMING
Expert:
Java • Android • Python • C++ • MATLAB
Well Acquainted:
HTML+CSS+JS • PHP • MySQL
Familiar:
C# • LaTeX

EXTRA CURRICULARS

Literary Writing
Technical Blogging
Hiking
Photography

INTERNSHIPS

GOOGLE SUMMER OF CODE | Student Developer
April 2016 - August 2016

MAPMYINDIA | Research Intern
May 2015 - July 2015 | New Delhi, India

SANIBRIDGE, INC. | Android Developer
Dec 2015 - April 2016 | Omaha, Nebraska, USA

RESEARCH AND PROJECTS

GOOGLE SUMMER OF CODE | Mobile Based Blood Analysis
Worked on detection and concentration estimation of various biomarkers in blood sample images. It is later planned to be used as a screening test for cancer. Written in Python, later ported to Java (Android).

MAPMYINDIA | Privacy Protection in Street View Images
Worked on Privacy Protection in Street View Images by Automatic Detection and Blurring of Faces and Vehicle License plates. Written in C++ and Python using OpenCV.

MAPMYINDIA | Traffic Sign Recognition
Worked on traffic sign recognition in Street View images using Convolutional Neural Networks. Written in C++ and Python using OpenCV.

SANIBRIDGE, INC. | Sanibridge Health Application
Worked under the supervision of Dr. Tomas Helikar on the full stack development of an Android health application. The server was written in PHP with MySQL.

DEPT. OF CSE, IIT ROORKEE | Exercise Classification in HINE Videos
A Hidden Markov Model was used on features extracted from HINE videos for broad level exercise classification and event segmentation. Written in C++ (OPENCV) and MATLAB.

DEPT. OF CE, IIT ROORKEE | Vehicle Detection & Tracking
Used OpenCV for vehicle detection and tracking in a video dataset.

PUBLICATIONS

[1] A. F. Ansari, P. P. Roy, and D. P. Dogra. Posture recognition in HINE exercises. Proceedings of International Conference on Computer Vision and Image Processing, 2016 (in press).

[2] A. F. Ansari, P. P. Roy, and D. P. Dogra. Exercise classification and event segmentation in HINE videos. Journal of Medical Systems, 2016 (under review).