

# Saman Karim

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## Education

<b>BSc Computer Science</b> National University of Computer and Emerging Sciences CGPA 3.61 (Cum Laude)	2013 - 2017
<b>Higher Secondary (Pre-Engineering)</b> Aga Khan Higher Secondary School, Karachi Percentage: 77.7%	2011 - 2013
<b>Matriculation (Science)</b> S.M.S Aga Khan School, Karachi. Percentage: 81.4%	2011

## Skills & Abilities

- |                              |          |          |              |
|------------------------------|----------|----------|--------------|
| • Java Spring<br>(Hibernate) | • MySQL  | • HTML   | • JavaScript |
| • Oracle                     | • C/C++  | • CSS    | • Firebase   |
|                              | • Python | • OpenCV | • Android    |

## Experience

**ASSOCIATE SOFTWARE ENGINEER | VENTUREDIVE PVT LTD** **JUNE 2017 – PRESENT**

## Professional Projects

**VISTAJET INTERNATIONAL** **SEPTEMBER 2017 – PRESENT**  
VistaJet is a large-scale application operated worldwide. My main responsibility was to work with a geographically dispersed team of software engineers, to deliver software that addresses business needs from our customers, using technologies like Java Spring (Hibernate), Oracle, Redis and Weblogic Server.

**AMANNAV FOR AMAN FOUNDATION** **JUNE 2017 – SEPTEMBER 2017**  
My main responsibility was to develop an application for a non-profit organization, in order to cater for medical emergencies timely and efficiently. The technology stack included Java Spring (Hibernate), MySQL, Redis and Weblogic Server.

## Academic Projects

**EYEHOPPE (FINAL YEAR PROJECT)** - An android based application to assist blind people in emotion detection using Machine Learning algorithms and Computer Vision.

**DATASCIENCE PROJECT** - Worked on Fake Review Detection system using Machine Learning algorithms

**DATAWAREHOUSING PROJECT** Analysis and report generation on superstore sales data using BI tool and AWS.

**ON YOUR WAY** - Web Application that provides extra map facilities for travelers using Google Maps API.

**LIBRARY MANAGEMENT SYSTEM** - Web and Desktop application.

**RESEARCH REPOSITORY FOR FAST NU** - Web application.

<https://Saman-Karim.github.io>

## Non-Academic Projects

Revamped [www.khi.nu.edu.pk](http://www.khi.nu.edu.pk) for FAST-NUCES as a member of The Web Masters Society (2017)  
Developed Coder's cup website as a member of ACM at FAST-NUCES (2015 and 2016)

## Achievements

### PUBLICATIONS

#### *EyeHope (A Real Time Emotion Detection Application)*

Accepted at SAI Computing Conference 2018 (London), to be published in Advances in Intelligent Systems and Computing by Springer Nature.

### HONORS/AWARDS

#### *National University of Computer and Emerging Sciences*

Cum Laude in BSc Computer Science (2017)

Dean's list awardee (Fall 2013, Fall 2014, Spring 2015, Fall 2015 and Spring 2017)

Runners up in Database Design Competition at IBA Probattle (2016)

Qualified in the ACM ICPC Lahore regional speed programming competition from Pakistan (2015).

#### *Aga Khan University Examination Board*

Best subject result in English in Sindh and Balochistan in HSSC – I examinations (2012)

#### *Shia Imami Ismaili Tareeqah and Religious Education Board*

Winner at speech competition (2012)

First position in AKS (Theatre Competition) in 2010.

Second position in ZAVYA (Theatre Competition) in 2009.

### SCHOLARSHIPS

Sindh Endowment Scholarship by Education and Literacy department (by Government of Sindh), National University of Computer and Emerging Sciences (2015-2016)

## Extracurricular Activities

#### *National University of Computer and Emerging Sciences*

Content Head (Executive Committee) at Dramatics and Extracurricular Society (2016-2017)

Web Developer at The Web Masters Society (2017)

Web developer at ACM Student Chapter (2015-2016)

#### *Aga Khan Higher Secondary School*

Head Editor at Pinnacle Newsletter, Aga Khan Higher Secondary School (2012-2013)

## Volunteer Experience

Member at Nizari Water and Shoes Services (2017 – Present)

Higher Religious Educator at Shia Imami Ismaili Tareeqah and Religious Education Board (2011 – Present)

Assistant unit leader at Ismaili Girls Guide Association (2007 - 2013)

Assistant unit leader at Community Emergency Response Team (2012 – 2015)