

# Khan 'Sadh' Mostafa

Software Engineer at Teledata Communications, Inc.  
MS in CS from Stony Brook / B.Sc. in CSE from KUET  
5 years in industry

## Experience



**Teledata Communications, Inc.** 📍 Islandia, NY

**Software Engineer**

Feb 2015 - now

- Developing new version of TCI's Loan Origination Solution - *Decision Lender 4x*  
Responsibility includes design and implementation of business logic, data models, user interfaces and integration with various third-party services including ACH payment, Car valuations etc. Building a reporting toolkit that enables clients to design reports to meet their specific need. `Java 8` `Angular JS` `REST` `SQL`
- Developed and maintained *Decision Lender v3.5* for existing and new clients



**Research Foundation for SUNY** 📍 CEWIT, Stony Brook, NY

**Sr. Research Aide**

Summer & Fall of 2014

- Worked for CA Technologies at CEWIT as on campus internship during MS  
`Google Glass` `Java`



**Samsung R&D Institute - Bangladesh** 📍 Dhaka, Bangladesh

**Sr. Software Engineer**

Feb - Aug 2013

**Software Engineer**

Jun 2010 - Feb 2013

- Designed a host - target interaction protocol and developed control module with GUI for FPGA and post-silicon SoC (System on Chip) verification platform  
`C#` `WPF` `C` `Linux`
- Developed modules of a camera SoC verification tool based on `μC/OS-II` `C`
- As part of DSP project ported `μC/OS-II` for custom BSP, ported Web-P for Samsung's Reconfigurable Processor, developed image codec `C` `C++`
- Participated in development of custom system software for feature phones `C`
- Developed smart phone apps for Samsung's bada platform `C++`

## Education



**Stony Brook University** 📍 Stony Brook, NY

**MS Computer Science** (CGPA:3.72/4)

Aug 2013 - Dec 2014

- Key Courses:** Database, Data Mining, Computer Graphics, Analysis of Algorithms, Operating Systems, Brain and Memory Modeling, Artificial Intelligence, Logic in CS
- Designed tool for opinion mining which leverages entity-keyword bi-graph built from analyzing social network feed `C#`
- Implemented a procedural watercolor engine to recreate real-time watercolor effects  
`C++` `OpenGL`
- Added XML parser for BOSS (brain model simulation tool) INIT module to feed brain model parameters as XML input `C++`



**Khulna University of Engineering & Technology** 📍 Bangladesh

**B.Sc. (Engineering) Computer Science**

Jan 2006 - Jun 2010

- Thesis:** "RDF by Structured Reference to Semantics - An approach to emerge Semantic Web": Developed a framework (RS2-fx) to convert current html web documents into Semantic Web RDF documents by extracting underlying semantics backed by support of an existing ontology (<http://slidesha.re/RS2fx1>)
- Developed an automated traffic jam recognition and alert tool, Traffic Window, aided with image processing `C#`
- Developed a Smart home technology, which includes a centrally controlled local system of devices and sensors that actuates smartly upon perceptions. The control unit interfaces with local GUI as well as internet and cellular networks 🌟  
`Java` `ASM` `Microcontroller`

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**Languages:** `Java`, `C`, `C++`

**Familiar with:** `C#`, `Python`, `SQL`,  
`JavaScript`, `Angular JS` etc.

**Talked** on "Research in the Computing Industry" at CSE Festival, KUET (Jun 2012)

**Awarded** "Icon of the Month" by Samsung R&D Institute - Bangladesh

**11th place** on ACM ICPC Dhaka Regional programming contest 2007

**Showcased project** "Smart Home Technology" at BASIS SoftExpo, Dhaka 2008

### Leadership

IEEE Student Branch KUET  
General Secretary, (2008-2009)

Fazlul Haque Hall Committee,  
KUET - General Secretary (2008-2009) & Asst. Gen. Secretary (2007-2008)

### Involvement

Publisher, *lekhalikhi.com* -  
Bengali Literary Community

### Personal Projects

TuneTour.me, WaqtScope,  
Sonnivo, LikhonPad, NLParse  
and more  
<http://nafSadh.com/projects>

🐙 GitHub: <http://github.com/nafSadh>

👤 Profiles:

<http://careers.stackoverflow.com/sadh>

& <http://bd.linkedin.com/in/nafSadh>

📖 Blog: <http://ins.nafSadh.com>

📄 Slides: <http://slidesha.re/nafSlides>

Updated on Sep 12, 2016, available  
online: <http://nafSadh.com/Resume>  
Contact for further information