AAKASH SHAH
SOFTWARE ARCHITECT

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About

A developer by passion. Founded an online community gripstreet.co and made mid-level architectures for various other projects. A self-motivated and innovative individual who works with a focused approach.

Web Profile

https://aakashrshah.github.io/

Languages (ILR Scale)

Gujarati ★★★★★
English ★★★★
Hindi ★★★★
Japanese ★

Areas of Interest

Natural Language Processing, Machine Translation, Word Sense Disambiguation, Machine Learning, Internet of Things.

Operating Systems

OS X , Linux(Ubuntu & Arch Linux) , Windows

Sports

Chess, Table Tennis, Soccer, Swimming

Professional Experience & Key Projects

Software Developer, *encircle.io*   **Aug 2015 to May 2016**
Researched into Beacon technology and WiFi triangulation for building a next generation IoT platform & providing proximity experiences using Spring framework.

Software Architect Intern, *Unisys Corp.*   **Jan 2015 to Jun 2015**
Contributed to the revamping of the existing platform - Unisys Secure Family Net (USFN), which provides Data analytics to Child Welfare Agencies.

Paper Presentation, *Purple Database.*   **Oct 2014 to Dec 2014**
Modeled a Python based DBMS using hash maps and bitwise operations to compare query speeds and space optimization with other existing SQL databases.

Head of Operations, *Pixellete.*   **Apr 2013 to Dec 2014**
Led a team of 5 designers and developers. Developed a collaborative platform for college placements & a supply-chain management web application for any corporate.

GLA Team, *SRM Search Engine.*   **Apr 2012 to Jun 2013**
SRM-SE was based on clustering and ranking along with Grammatical Lexical Analyzer. Python based algorithm implementation of Backus-Naur Form.

Professional Skills & Experience

Skill	Rating
Web Content Management System	★★★
RESTful Web Services & Microservice Architecture	★★
MVC Architecture & Implementation	★★★
OpenWRT firmware programming	★★
Python Automation Scripts for Azure and AWS	★★★

Development Tools

Tool	Rating
YII Framework (PHP+SQL)	★★★
Spring Framework (w/ Maven)	★★★
Angular JS	★
MongoDB (RoboMongo)	★★
OpenWRT Firmware	★★

Languages

Python, Java, Shell, PHP, C, C++
HTML 5, CSS, JS, jQuery

Education

M.S. in C.S.   **2016-2018**
George Washington University, D.C.
Machine Learning, Cognition & NLP

B.Tech   **2011-2015**
SRM University, India   7.83 CGPA
Computer Science & Engineering

Hobbies

Model United Nation, Keyboard (Musical Instrument), Trekking & Traveling, Reading & Blogging

Awards

Global Initiatives Tuition Fellowship   **2016**
George Washington University

Winner in Coding Competition   **2014**
SESCON 14, Coimbatore,India
24hr Coding Round

Special Performance   **2010**
National Cyber Olympiad
All India Rank 57

Winner in Concept Design   **2013**
Blitzkrieg
Concept Design and Marketing

High Commendation   **2010**
All India Astronomy Olympiad
Top 1% in State