AAKASH SHAH

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EDUCATION

THE GEORGE WASHINGTON UNIVERSITY, School of Engineering & Applied Sciences　　　**Washington, DC**
Master of Science, Computer Science (GPA – 3.55/4.0)　　　　　　　　　　　　　　　*May 2018*
● **Areas of focus:** Machine learning and cognition, Core **Natural Language Understanding** along with specialized **IBM Watson** Question-Answering system architecture. Artificial Intelligence, **Probability for computer science**.
● Awarded **Tuition Fellowship** of $20,000 from the University and department.

SRM UNIVERSITY　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Chennai, India**
Bachelor of Technology, Computer Science & Engineering (GPA – 3.3/4.0)　　　　　　*June 2015*
● **Areas of focus:** Databases, Compiler Design, **Theory of computation**, Principles of programming languages, Object oriented programming, **Logic and discrete structures**, Android programming, Data mining.
● Co-Convener of Student association and Quiz Club.

TECHNICAL SKILLS

Programming Languages: Java(J2SE), Python, C, C++, Javascript, PHP, SQL, HTML, CSS, MATLAB, Common LISP
NLP: NLTK, Stanford NLP, Regex, IBM Watson Bluemix services, Weka (Data Mining), and TensorFlow.
Web Development Frameworks: React.js & AngularJS**,** Spring, PHP Yii.
Database Tools: OracleSQL, PostgreSQL, MongoDB.
Operating Systems: OS X, Linux (Ubuntu, RedHat & Arch Linux), Windows.
Other Skills: RESTful Web Services, OO Design Patterns, MVC Architecture, Microservice Architecture, Python Automation Scripts for AWS and Azure.

RELEVANT WORK EXPERIENCE

TIC Summer Camp*, Programming Counselor*　　　　　　　　　　　　　　*July 2017 – August 2017*
● Tutored **Functional Programming Language** to kids from age 6 - 16.
● Helped to develop games and tutorials for **Microworlds EX**.

GWU Psychology Dept.*, Research Assistant*　　　　　　　　　　　　　　　*May 2017 – present*
● Developed a psychometric(2AFC) test using **React JS**
● Redesigned **Quest** (MATLAB tool and a part of Psychtoolbox) in JS.
● Server load balancing for AWS. Project URL**:** https://sentien.tech

GWU Computer Science Dept.*, Tutoring Assistant*　　　　　　　　　　*September 2016 – present*
● Explain key concepts of **algorithms**, **data structures** etc. to undergraduate students.
● Assisted with assignments in regular hours and problem solving before exams.

Encircle.io*, Software Developer.*　　　　　　　　　　　　　　　　　　　　*August 2015 – May 2016*
● Successfully finished my research in commercial beacon technology and Wi-Fi triangulation
● Built a robust, highly scalable IoT platform in **Java,** deployed on **AWS**
● Worked **on Spring Framework & AngularJS** and also customized Wi-Fi routers with OpenWRT.

Unisys Corp, *Software Architect Intern.*　　　　　　　　　　　　　　　　*January 2015 – June 2015*
● Contributed to the revamping of the existing platform – Unisys Secure Family Net(USFN)
● Charted rules in **Drools** and implemented the business logic.

Pixellete, *Head of Operations.*　　　　　　　　　　　　　　　　　　　　*April 2013 – December 2014*
● Led a team of 5 developers and designers in this university incubated firm.
● Developed scalable web apps using **Yii** (**PHP** framework) and **SQL**.

KEY PROJECTS

Athena, *Watson Developer Cloud.*　　　　　　　　　　　　　　　　　　　*January 2017 – May 2017*
● Worked on a **Natural Language Classifier** for author identification using TensorFlow.
● Used off-the-shelf resources for **Arabic parsing** and compared results with Watson services.
● Python based algorithm implementation of **Backus Naur form** for a Grammatical Lexical Analyser.

AWARDS & ACHIEVEMENTS

International Student Ambassador GWU, Winner in **SESCON14 Hackathon**, Winner in Blitzkrieg **Concept Design**, **National Cyber Olympiad 2010** – All India Rank 57, All India **Astronomy Olympiad** 2010 -- Top 1% in State