ASWIN SIVA N
Software Development Engineer
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EDUCATION

DEGREE	INSTITUTION	YEAR	GRADES
B.Tech – **CSE**	Indian Institute of Technology (IIT) Jodhpur	2013	**9.42 / 10.0**
Senior Secondary	DAV Matriculation Higher Secondary School	2009	**94.42%**
Matriculation	DAV Matriculation Higher Secondary School	2007	**93.27%**

SCHOLASTIC ACHIEVEMENTS

- Was within **Top 1% of the Nation** in IIT Graduate Aptitude Test in Computer Science 2013.
- Was within **Top 1% of the State** in National Standard Examination in Physics 2008-2009.
- Was within **Top 1% of the Nation** in IIT Joint Entrance Examination (JEE) 2009.
- Qualified **KVPY** exam in SB+2 stream and was offered INSPIRE scholarship at IISER.
- Secured a **State Rank of 197** in All India Engineering Entrance Examination (AIEEE) 2009.
- Secured the perfect **GPA of 10** in the spring term, 2010 at IIT Jodhpur.

WORK EXPERIENCE

***Software Development Engineer* - CISCO Systems India**　　　　　　　　　　August 2013 - present
Security Services Platform Team　　　　　　　　　　　　　　　　　　　　　　　　　　　Bangalore

- As a part of SSP team, Designed and Implemented an internal messaging infrastructure using Message Queues in C++ with bindings in C and Python. Addressed static analysis issues and performed sync, port and merge operations across the IPS code base.
- *Tools used*: C, C++, Python, Cython, Gunit, Python unittest, ZeroMQ and RabbitMQ middlewares

***Summer Intern* - Microsoft India Development Center**　　　　　　　　　　　　May-July 2012
Lync Web App Team　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Hyderabad

- Designed and Implemented an automatic test case prioritization system for the Lync Web App team, which involved prioritizing a set of test cases for a given developer change based on code coverage.
- *Tools used:* C#, Windows Powershell scripting, HTML/CSS, JavaScript, XML

***Summer Student* - The Institute of Mathematical Sciences**　　　　　　　　　May-June 2011
Voronoi Diagrams – Service Region Determination　　　　　　　　　　　　　　　　Chennai

- Implemented Voronoi Diagram construction on Google Maps and presented various properties and algorithms for constructing Voronoi Diagrams.
- *Tools used* : Google Maps API, HTML / CSS, JavaScript

PROJECTS

Nuts Base - *An Inventory Management System*

- Implemented a LAMP stack inventory management application for the college technical club as part of the database course.
- *Tools used*: Apache HTTP Server, MySQL, PHP, HTML / CSS, Javascript

NxtShow – A *Movie Recommendation System*

- Implemented a preferential movie ranking / recommendation system, collecting user preferences from Facebook and movie data from Rotten Tomatoes.
- *Tools used* : Python, Facebook API, Rotten Tomatoes API, CouchDB

PROGRAMMING SKILL

- Languages: **C, C++, Java, Python**
- Database: **SQL, No-SQL systems**
- Web: **HTML, CSS, JavaScript**
- Tools: **Matlab, Shell scripting, Version control systems**
- Environments: **UNIX, MS -Windows**

WORKSHOPS ATTENDED

TITLE	ORG.	VENUE	YEAR
Yahoo! Summer School on IR and the Semantic Web	Yahoo Inc.	IISc, Bangalore	2013
Workshop on Graph and Geometric Algorithms	TIFR	DA-IICT, Ahmedabad	2012
Recent Trends and Advances in Data Structures	IMSc	IMSc, Chennai	2011

POSITIONS OF RESPONSIBILITY

- **Teaching and Lab Assistant:** Programming and Data structures course, IIT Jodhpur
- **Coordinator:** Theoretical Sciences Club under Sci-Tech Council of IIT Jodhpur.
- **Event Coordinator:** Glossophobia and Limits of Arithmetic in Nimble - 2011.
- **Event Coordinator:** Lampenfieber and Grey Matter in Ignus - 2012.

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

- Participated and won many college - level programming contests – Algocontest (2010), Hangman (2011), Obfuscator (2012).
- Part of the Dramatics team and won many college - level competitions – Spandan (2010), Vivacity (2010), Ignus (2011).