Chapin E 2076,
700 Health Sciences Drive
Stony Brook NY 11790

SANKET S. DIGE

(631) 652-5022
sanketdige268@gmail.com

EDUCATION

Stony Brook, NY **Stony Brook University** **Expected graduation - Dec 2017**

- Masters in Computer and Information Sciences – Fall'16.
- Courses: Operating Systems, Analysis of algorithms, Artificial Intelligence, Machine Learning, Visualization.

Pune, INDIA **College of Engineering, Pune** **July 2011 – May 2015**

- Bachelor of Technology in Information Technology, May 2015. GPA: 8.05/10
- Undergraduate Coursework: Cloud Computing & Big Data, Algorithms & Complexity, Data Structures and Algorithms, Systems Programming and OS, DBMS, Advance DBMS.

Addition Online Courses **Coursera** **Aug 2015 – Jan 2016**

- Machine Learning by Andrew Ng - Stanford University, Introduction to Big Data Analytics – UC San Diego

EMPLOYMENT

Software Engineer **Varian Medical Systems** **July 2015 – July 2016**

- Contributed in project "*Remote Software Deployment v1.2*" (RSD) by identifying and resolving a security bug between the service-to-service communication.
- Created scheduler service, monitoring service and integration of other project components in "*Remote Software Deployment v1.3*" (RSD)", for gathering of client data and brought back to Varian server for further analytics perspective.
- Changed the architecture of Varian's standalone *Varian-Deployment-Tool* by providing similar working like the RSD server web app. Involved replicating and utilizing same service architecture like in RSD server architecture.
- **Technologies Used: C#, WCF, WPF, Sql server, MS test, TFS, Visual Studio, Entity framework.**

Software Intern **Symantec** **June 2014 – May 2015**

- **Create Business Intelligence System around SF VxExplorer logs.**
- Created a data warehouse by efficiently parsing the unstructured system logs generated by the customer machine using SF VxExplorer.
- Created an analysis platform on basis of the data or system logs showing various statistics.
- **Technologies Used: PHP, HTML, JavaScript, MongoDB no-SQL database, LibChart PHP chart Library.**

RA – Comp Programmer **Stony Brook University** **Nov 2016 – Present**

- Working as a part-time research programming assistant with a team of pediatric health sciences researchers in building an asthma web application.
- **Technologies Used: HTML, JavaScript, J-Query, MongoDB, NodeJS, O-Auth2.0.**

LANGUAGES AND TECHNOLOGIES

- **PROG LANG - Java; C#.NET; C; Python; SQL; HTML-CSS, JavaScript; J-Query, PHP, AJAX, XML, .NET (2.0 – 4.5).**
- **NON-PROG - MS Visual Studio, SQL Server, MS Unit Test; Eclipse; Android Studio; Agile (Scrum); TDD.**

PROJECTS

- **A multi-threaded system-call-tracing stackable virtual file system (Oct'16)**. Implemented a stackable virtual file system for tracing various system calls executed and the option to replay some / all the calls again. **C, Kernel-programming.**
- **Activity recognition using Wi-Fi CSI data (Sep'16).** This project involved recognizing activities like falling, running, sitting, walking using Wi-Fi based CSI data in lieu of traditional methods of wearables or cameras. It involved Wi-Fi data processing, feature extraction and creating a trained model for prediction. **Python.**
- **A NLP based Word-Problem-Solver for Arithmetic Equations (Sep'16 – Oct'16).** This project aimed at creating a NLP system with use of Symantec parsing and creating a logic network to extract equations from the word problem and solve the asked equation. **Python**
- **A neural networking model for profile matching for grad schools (Sept'15-Jan'16)**. With the historic data of getting selected/rejected, we trained our neural net to get the probability of selection. **Python**

RESEARCH PAPERS AND PUBLICATIONS

- **Efficient Storage of System Logs using MongoDB for a Business Intelligence System,** IJSRD, Vol 3, Issue 3.