

OBJECTIVE: Seeking internship as a Software Engineer for Summer 2017.

EDUCATION:

San Jose State University, San Jose, CA
Master of Science, Computer Science

Dec. 2017 (Expected)

GPA: 3.98/4.0

Kerala University, India
Bachelor of Technology in Computer Science and Engineering

Nov. 2012

GPA: 3.60/4.0

Coursework: Algorithms, Cloud Computing, Big Data Mining, Cryptography and Computer Security, Information Retrieval

TECHNICAL SKILLS:

Languages : Java, Python, PHP, Javascript, HTML
Big Data : Hadoop, MapReduce, Spark, Kafka, ELK Stack
Tools & Technology: Amazon AWS, MySQL, Linux, Wireshark, Eclipse

GRADUATE PROJECTS:

- **Twitter Airline Data Sentiment Analysis:** Built a classifier model in **Spark** to analyze the sentiment in tweets. Trained and tested the model to predict the sentiment values. (**Spark, Python and ELK Stack**)
- **Privacy Preserving Search on Encrypted Cloud Data:** Developed a web application to perform a multi-keyword search on encrypted cloud data with n-gram approximate string matching. (**Java, Amazon RDS and Dropbox**)
- **Positional Inverted Index:** Developed a positional inverted index capable of performing conjunctive queries. Performed Gallop search on documents to retrieve index of query terms and ranked results based on proximity/cosine ranking. (**PHP**)
- **Software Reverse Engineering:** Bypassed security flaws in software based on EULA agreement. Injected viral code into dead space by patching assembly level instructions. (**Olllydbg and IDAPro** were used as disassembler and debugger)
- **Attacks on RSA:** Broadcasted the same message with low public exponent value and cracked original RSA encrypted message. (**C**)

WORK EXPERIENCE:

Software Engineer, *Confianz Information Technologies, India*

Sep. 2012 – Dec. 2013

Summary: Worked on Requirement Analysis, Designing, Coding, Testing and Debugging.

Projects:

- **MangoSalute:** (mangosalute.com) Developed conditional algorithms to prevent counterfeits and to process multiple currencies for artists and buyers. Integrated payment processing via Paypal, managed accounts of various classes of users. Integrated videos into cards with QR codes and custom URLs. (**PHP, jQuery, AJAX, Json and Javascript**)
- **Beovisual:** is an end-to-end solution for Insurance and Re-Insurance Brokers. Developed process workflows, generation of policy documents, access controls for customers, real-time dashboards etc. to increase efficiency, profitability as well as business continuity. Processed transactions in multiple currencies for customers and re-insurance brokers while maintaining USD as base currency. (**PHP, jQuery, Javascript, HTML and CSS**)
- **Wordpress plugin:** Developed Wordpress plugin which inserts Leads (Customer's) entries into Vtiger CRM.
- **Android app:** Implemented cross-platform To-Do Android app (**PhoneGap, jQuery & SQLite**)

ACHIEVEMENTS:

- Volunteered at Global Game Jam (GGJ) by Google Cloud Platform, 2017.
- Volunteered at ACM Symposium on Cloud Computing (SoCC) 2016.
- Received Letter of Appreciation from Confianz Information Technologies for meeting rigid deadlines and successfully delivering project, Beovisual 2013.
- Student in Charge of State Level Technical Symposium during undergraduate program 2012.
- Certified in Java and Android. CDAC, India 2012.
- Attended CCNA. CISCO, India 2011.