

**SUMMARY:** Software Engineer with 2+ years of experience in front end development.

**WORK EXPERIENCE:**

**Big Data Intern, SAP, CA**

**Jun. 2017 – Dec 2017**

Identified KPIs and value propositions for customers, required for integration of 2 Tier ERP with SAP S/4 HANA Cloud. Developed high level architectures and collaborated with various stake holders. Data analysis and reporting in Excel. Recommended design improvements for enhanced productivity. Weekly client meetings for requirement gathering and validation. Documented functional, technical workflow and process mapping that served as job-aids. Involved in the Data Extraction and Transformation from CDS Views and Analytical queries.

**Software Engineer-Frontend, San Jose State University, CA**

**Apr. 2017 – May 2017**

Built and automated a newsletter generator for marketing department with **jQuery, PHP, MySQL**. Responsible for implementation, completion and maintenance of web based projects for the University with **HTML, CSS, and JavaScript**. Optimized web sites for improved user experience. Conducted weekly team meetings to discuss new requirements and monitor progress of projects.

**Software Engineer, Confianz Information Technologies, India**

**Sep. 2012 – Dec. 2013**

Worked on Requirement Analysis, Designing, Coding, Testing and Debugging. Exposure to end to end development of various applications with PHP right from requirement analysis to system study, documentation and implementation. Adept in handling design and coding functions. **PHP, jQuery, AJAX, Json, JavaScript, HTML and CSS**

**EDUCATION:**

**San Jose State University, San Jose, CA**

**Dec. 2017**

Master of Science in Computer Science

**GPA: 3.95/4.0**

**Kerala University, Kerala, India**

**Nov. 2012**

Bachelor of Technology in Computer Science and Engineering

**GPA: 3.60/4.0**

**COURSE WORK:** Big Data & Machine Learning, Algorithms, Cloud Computing, Parallel Programming, Web Intelligence, Computer Security

**TECHNICAL SKILLS:**

**Languages:** Java, Python, Go-Lang, PHP, NodeJS, JavaScript, jQuery, HTML, CSS

**Big Data:** PySpark, Scala, Hadoop, MapReduce, Spark, Kafka, ELK Stack

**Tools & Technology:** Amazon AWS, MySQL, Cassandra, Linux, IntelliJ, SAP S/4 HANA, Excel

**ACADEMIC PROJECTS:**

- **Bluff with AI:** Developed a computer game engine with Q-learning to automatically learn to play a card game Bluff in which AI makes a sequence of decisions based on a partially-observed game state that evolves under uncertainty. **(JAVA)**
- **Guide Dog Training Success Rate Prediction:** Built a logistic regression model in **Scala** and **Python** that predicted the success rate with accuracy **98%** which guide dogs successfully graduate from guide-dog training. Performed data preprocessing, feature extraction, normalization, evaluation of algorithms. Improved **30%** prediction accuracy. **(Python, Scala)**
- **Twitter - Airline Sentiment Analysis:** Machine learning project in **PySpark** and **ELK Stack**. Analyzed sentiment of labeled twitter dataset using Naïve Bayes with TF-IDF, CountVectorizer. **(PySpark)**
- **Privacy - Preserving Search Over Encrypted Cloud Data:** Developed a **Java web** application allowing a multi-keyword search on encrypted data and index residing on cloud servers **Amazon RDS and Dropbox**. Created process mapping and use cases. **(JAVA)**
- **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)**
- **Go-BART iOS App Prototype:** Designed and implemented a high-fidelity prototype, digitalizes BART ticket. Performed usability testing to realize the target audience response.
- **Attacks on RSA:** Decrypted Ciphertext which was broadcast with public exponent value=3 in the RSA Algorithm. **(C)**
- **Wordpress plug-in:** Developed Wordpress plug-in which inserts Leads entries (Customers) into Vtiger CRM. **(PHP)**
- **Android app:** Implemented cross-platform To-Do Android app **(PhoneGap, jQuery & SQLite)**

**ACHIEVEMENTS:**

- Promoted to Software Engineer during Internship within a span of 4 months at Confianz.
- Received **Letter of Appreciation** for meeting rigid deadlines, implementing efficient solutions and successfully delivering projects.
- Chapter head of **LeanIn** circle SJSU Grad Women Engineers.
- Elected as In-Charge of State Level Technical Symposium during undergraduate program.

**CERTIFICATIONS:**

- Certified in Java and Android. CDAC, India