

## Education

<b>Santa Barbara</b> M.S. in Computer Science GPA: 3.9	<b>UC Santa Barbara</b>	<b>Sept 2017 – Apr 2019</b>
<b>Bangalore</b> B.E. in Information Science Engineering GPA: 9.25 (Scale of 10)	<b>PES Institute of Technology</b>	<b>Sep 2011 – Jun 2015</b>

## Employment

<b>Graduate Research Assistant</b> Fault-tolerant Oblivious Data Storage <ul style="list-style-type: none"><li>Cloud storage providing availability, privacy and security using Oblivious RAM.</li><li>Adopted existing fault tolerant storage systems to incorporate ORAM and design components to hide data access patterns.</li></ul>	<b>UC Santa Barbara</b>	<b>June 2018 – Present</b>
<b>Software Engineer</b> Consumer Analytics Platform <ul style="list-style-type: none"><li>Re-architecture of service (including new data model &amp; metrics) leading to 25% faster response.</li><li>Implemented automated recovery system for big data analytic work-flows.</li><li>Added feature for failure and delay notification for work-flows.</li></ul>	<b>Amazon</b>	<b>Aug 2015 – Aug 2017</b>
<b>Software Engineer, Intern</b> <ul style="list-style-type: none"><li>Improved usability of portal by adding interactive graphing section, report generation feature and pagination.</li><li>Automated aggregation of customer scores using Apache Pig and publishing using AWS workflow service.</li></ul>	<b>Amazon</b>	<b>Jan 2015 – Jul 2015</b>
<b>Software Engineer, Intern</b> <ul style="list-style-type: none"><li>Built a service to mask sensitive data to be consumed by QA Engineers.</li><li>Reduced request time for data by 20% by moving backend for above service from MySQL to MongoDB.</li></ul>	<b>Intuit</b>	<b>Jun 2014 – Aug 2014</b>

## Projects

<b>Ramsey Search</b> <ul style="list-style-type: none"><li>Cloud-based search and optimization project to find counterexamples for Ramsey Theorem.</li><li>Master-Slave architecture built using Go to distribute tasks on various cloud platforms.</li><li>Used techniques such as Tabu Search, Simulated annealing for search optimization and to avoid local minima.</li></ul>	<b>2018</b>
<b>WikiSummary</b> <ul style="list-style-type: none"><li>Web application enabling search over entire indexed wikipedia database and providing summarized results.</li><li>Comparison and evaluation performed on Elasticsearch and Apache Solr while article summarization was done using sentence extraction and term frequency.</li></ul>	<b>2018</b>
<b>Secure Chat</b> <ul style="list-style-type: none"><li>Device to Device messaging web application using End-to-End Encryption (E2EE) and Graph storage.</li><li>Layered encryption was implemented using standard protocols such as PBKDF2, RSA, AES and SHA-256.</li><li>Android client was built easily by making using of extensible service APIs</li></ul>	<b>2015</b>
<b>Sales-Rep Bot</b> <ul style="list-style-type: none"><li>Intelligent bot to help guide customers with their queries on purchasing mobiles using NLP.</li><li>Labeled corpus built by collecting user labeled responses and compiled using NLTK and Rule based classifier.</li><li>Max Entropy Classifier was used to perform sentiment analysis and response was generated using scraped mobile data.</li></ul>	<b>2014</b>

## Skills

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| <ul style="list-style-type: none"><li><b>Languages</b> Java, Python, C (Proficient) Ruby, Go (Worked On)</li><li><b>Experience with</b> AWS, ElasticSearch, Android SDK, NLTK, Hadoop, Spark</li></ul> | <b>Databases</b> MySQL, MongoDB |
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