

VinodReddy Gooty

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EDUCATION	MS in Computer Science	GPA(in-major): 3.8/4.0	Aug 2017 - May 2019
	University of Utah, Salt Lake City, USA		
	B.Tech in Computer Science	GPA: 8.1/10	July 2011 - May 2015
	National Institute of Technology - Calicut, Kerala, India.		
EXPERIENCE	Software Developer		August 19 - Present
	<i>Ubiquiti Networks</i> , Salt Lake City, USA.		
	<ul style="list-style-type: none">• Maintained an internal website for analytics on customer returns. Responsibilities include designing database schema, building visualizations and simple analytics for fraud detection.• Built a web service that auto generates a configurable pdf report on customer returns using reportlab library.• Automate, debug and test the entire life cycle of Ubiquiti's enterprise WiFi and IoT devices with Jenkins pipelines.• Tools: Python, Flask, SQLAlchemy, reportlab, Bootstrap, Groovy, Jenkins.		
	Graduate Teaching Assistant		Aug 18 - May 19
	University of Utah, <i>Course:</i> CS4150 - Algorithms		
	Associate Software Developer		July 15 - July 17
	<i>ThermoFisher Scientific</i> , Bangalore, India.		
	<ul style="list-style-type: none">• Sustained three legacy desktop apps. Code refactoring, code optimization, regression testing, technical documentation, fixing bugs were some of the duties.• Reduced the resolution time of customer reported bugs by almost half.• Completely owned and released all three applications in a span of 12 months.• Involved in the design of REST API for web versions of these applications.• Technologies: Java, C/C++, Python, Jenkins, Bash.		
PROJECTS	RAFT in Haskell		🔒
	<ul style="list-style-type: none">• RAFT is a consensus algorithm like PAXOS. It is used in Distributed Systems when multiple servers working together have to agree on decisions being made.• RAFT protocol includes leader election, log replication, cluster management among others. RAFT is used under the hood by <i>Kubernetes</i> etcd and <i>Redis</i>.		
	Distributed fault-tolerant Key-Value datastore in Go		
	<ul style="list-style-type: none">• Implemented a distributed key-value datastore using RAFT as a library. Datastore replicates data on multiple servers and thus RAFT is used in order to agree on the value being stored for each data item.		
	SimpleDB in Java		🔒
	<ul style="list-style-type: none">• Developed relational DBMS kernel that supports basic SQL operators (SELECT, JOIN, etc) and transactions. Implemented B⁺-Tree Indexes, LRU caching, generated query plans, evaluated and optimized the plans.		
SKILLS	Proficient: Python, Java, Jenkins		
	Good: SQL, Groovy, d3.js		
	Intermediate: django, Bootstrap, SQLAlchemy, Flask, Kubernetes, Docker, Haskell, Go, HTML, CSS, JavaScript.		