

Joyce Annie George

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SUMMARY	Software engineer with applied experience in <ul style="list-style-type: none">▪ Full stack development using C/C++/Java/Python/JavaScript▪ Network protocols like HTTP,TCP/IP, UDP▪ Web technologies like HTML/CSS▪ Version control tool like Git▪ Databases like MySQL/Oracle	
EDUCATION	Santa Clara University , Santa Clara, CA Sep 2015 – Jun 2017 <ul style="list-style-type: none">▪ M.S. in Computer Science<ul style="list-style-type: none">• CGPA: 3.7 / 4.0 St. Joseph's College of Engineering and Technology , Palai, Kerala, India Aug 2008 – Aug 2012 <ul style="list-style-type: none">▪ Bachelor of Technology in Computer Science<ul style="list-style-type: none">• CGPA: 3.66 / 4.00	
RELEVANT COURSE WORK	Software Development Process Management,Advanced Design and Analysis of Algorithms, Software Architecture, Computer Networks, Network Security, Wireless and Mobile Networks, Big Data, Web Search and Information Retrieval.	
WORK EXPERIENCE	Graduate Teaching Assistant , Santa Clara University Sep 2016 – Apr 2017 <ul style="list-style-type: none">▪ Worked as TA for <i>Algorithms</i> and <i>Advanced Algorithms</i>. Systems Engineer , Infosys Ltd., Pune Jul 2013 – Jul 2014 <ul style="list-style-type: none">▪ Worked in the Infrastructure Management Services domain, handling server and data infrastructure.▪ Supported hundreds of logical servers across several clusters to support databases, web services and all other related infrastructure for the client Pfizer.	
PROJECTS	Movie Search <ul style="list-style-type: none">▪ Implemented traditional and faceted movie search engine in Java using ElasticSearch.▪ Used information retrieval techniques like stemming, stopping and query expansion.▪ Added a logging component for user sessions which records queries, clicks and start and end of sessions which can be ETLED into a data store for personalization. Web Crawler <ul style="list-style-type: none">▪ Implemented a multi-threaded web crawler in Java which uses a seed URL to crawl pages from any particular domain.▪ The crawler downloads textual content from the crawled pages and process it using site-agnostic techniques to remove noise like ads and navigation bars. Movie Recommendation System <ul style="list-style-type: none">▪ Implemented k-means clustering algorithm on both Hadoop and Weka for same datasets of different sizes with a focus on performance benchmarking and learning/analyzing scalability characteristics.▪ Used movie datasets from IMDb and clustered movies based on selected class labels. E-Cart <ul style="list-style-type: none">▪ Developed an e-commerce site for an electronic shop in LAMP stack.▪ Designed the site layout, modeled the database schema and developed a simple web-based e-commerce platform. File Transfer <ul style="list-style-type: none">▪ Implemented TCP and UDP file transfer applications in C.▪ Resolves loss of packets by resending when an incorrect acknowledgement or checksum mismatch occurs.	