

Shivangi Nagpal
San Jose, CA 95134
(669) 226-9561
shivangi.nagpal@sjsu.edu

OBJECTIVE

Seeking software engineering intern position in an organization where my skills can be utilized.

EDUCATION

M.S., Software Engineering	Spring 2019-Present
San Jose State University, San Jose, CA	3.9/4
M.E., Electronics Instrumentation and Control Engineering	July 2011-June 2013
Thapar University, Patiala, India	9.9/10
B.E., Electrical Engineering	Aug 2007-May 2011
DAV Institute of Engineering and Technology, Jalandhar, India	84%

RELEVANT COURSEWORK

Computer Network Design, Network Programming and Applications, Large Scale Analytics

SKILLS

Programming Languages	C, C++, Java, Python, SQL; familiarity with JavaScript, HTML, PHP, Design Patterns, Socket Programming
Operating Systems	Linux, Windows
Databases	MySql, MongoDB
Software	Git, Perforce, ClearTool, Jira
Protocols	CFM (Connectivity Fault Management), TCP/UDP, LAG (Link Aggregation Protocol), VLAN (Virtual LAN), IPV4, ARP (Address Resolution Protocol)

EXPERIENCE

Software Engineer, Ciena India Pvt Ltd., Gurgaon, India	Apr 2016 – Nov 2017
<ul style="list-style-type: none">Developed NetConf for IGMP (Internet Group Management Protocol)CLI for Mef 35.1	

Software Engineer, Aricent (Now Altran), Gurgaon, India	Oct 2013 – Apr 2016
Gurgaon, India	
<ul style="list-style-type: none">Worked on developing features like Inter Vlan Routing, Zero Touch protocolAdded Feature Enhancement in ECFM (Ethernet Connectivity Fault Management) and Link Aggregation Protocol	

ACADEMIC PROJECTS

- Built a decentralized application for voting using smart contract over Ethereum and blockchain Technology (React, NodeJS)
- Handwriting Recognition system using Tesseract OCR engine (PHP, HTML, Google API's)
- Patent Recommendation system using TFIDF and Cosine Similarity (Python)
- Database Management system for managing data of a cricket world cup (SQL, PHP, HTML)
- Credit Card Fraud Detection using PCA, Naïve Bayes and Random Forest Classifier (Python)
- Sentiment Analysis for posts on Twitter (Python, Twitter API's)