

**Shivangi Nagpal**  
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## OBJECTIVE

Seek Seeking software engineering intern position to contribute to an organization where my skills can be utilized.

## EDUCATION

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

## SKILLS

<b>Programming Languages</b>	C, C++, Java, Python, SQL, JavaScript, HTML, PHP, familiarity with Design Patterns, Socket Programming
<b>Databases</b>	MySQL, MongoDB
<b>Repositories</b>	Git, Perforce, ClearCase
<b>Protocols</b>	CFM (Connectivity Fault Management), TCP/UDP, LAG (Link Aggregation Protocol), VLAN (Virtual LAN), IPV4,
<b>Others</b>	Express, React, NodeJS, Docker, AWS Deployment

## EXPERIENCE

**Software Engineer, Ciena India Pvt Ltd.,** Gurgaon, India Apr 2016 – Nov 2017

- Developed NetConf for IGMP (Internet Group Management Protocol)
- CLI for Mef 35.1

**Software Engineer, Aricent (Now Altran),** Gurgaon, India Oct 2013 – Apr 2016

- Worked on developing features like Inter Vlan Routing, Zero Touch protocol
- Added Feature Enhancement in ECFM (Ethernet Connectivity Fault Management) and Link Aggregation Protocol

## ACADEMIC PROJECTS(Development)

- Online Banking System (*NodeJS, Express, MongoDB, JWT tokens for security, AWS (Auto Scaled EC2 Cluster with Load Balancer), Dockerized application*)
- Database Management system for managing data of a cricket world cup (*SQL, PHP, HTML, AWS*)
- Handwriting Recognition system using Tesseract OCR engine (*PHP, HTML, Google Auth, AWS deployment*)
- Built a decentralized application for voting using smart contract over Ethereum and blockchain Technology (*React, NodeJS, Smart contracts in Solidity*)
- Patent Recommendation system using TFIDF and Cosine Similarity (*Python*)
- Credit Card Fraud Detection using PCA, Naïve Bayes and Random Forest Classifier (*Python*)
- Sentiment Analysis for posts on Twitter (*Python, Twitter API's*)
- Starbucks App Simulator (*Java, Eclipse, Gradle*)