

# Pratibha Awasthi

Santa Clara, CA 95050 | [Gmail](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | (408) 656 5030

## Education

**International Technological University**  
**San Jose State University (transferred)**  
Master of Science, Computer Engineering

**Expected: Dec 2023**

**Rajiv Gandhi Technical University**  
Bachelor's in Engineering, Electrical & Electronics

**Jun 2015 – Aug 2019**

## Technical Skills

- **Programming Languages:** JavaScript, Python, CSS, HTML, Java, SQL, C, C++, PHP
- **Databases and Tools:** MySQL, MongoDB, Jupyter Notebook
- **Frameworks:** Node.js, React.js
- **Applications:** API design, relational databases, unit, integration & E2E testing

## Projects

### Simulation of LinkedIn

[Github](#)

- **Technologies Used:** ReactJS, Node.js, Express.js, MySQL, MongoDB, AWS, Bootstrap
- Developed an end-to-end three-tier distributed application to allow user to manage profile, connect to other users, surf updates of other users, send & receive messages, and receive notification.
- Deployed application on AWS EC2 and tested the application with 20k simultaneous users.

### LinkedIn to-go

[Github](#)

- **Technologies Used:** ReactJS, Node.js, Express.js, MySQL, MongoDB, AWS, Bootstrap
- LinkedIn to-go is portable device that allows users to carry and connect with another LinkedIn user on a single tap.
- Architected and designed an end-to-end three tier distributed application for the device to allow users to manage profiles, browse recent connections, receive, send and manage documents.

### Market Place

[Github](#)

- **Technologies Used:** Angular (framework, Router), NodeJS, Http Client Module, Express, TypeScript, Jasmine
- Developed a Single Page e-commerce application with functionalities like view list of products, product description, product price, add to cart, delete from cart, view products in cart, total price of product cart and checkout to payments.
- Expanded additional back-end functionalities like login as user, access to user-page, show orders at user-page, login as admin, add & delete product in store, exchange data on listings, orders, payments and reports using technologies.

## Work Experience

### EmbedVision Infotech - R&D, Software Developer Intern

**Jan 2018 – Apr 2018**

- **Technologies Used:** Android, AWS, Client Flask, Raspberry Pi, OpenCV.
- Developed a dual-functional application for luggage that manages the travel needs and enables the luggage to follow the owner.
- Built an application using android studio that adds new travel information, set traveling time, create a checklist of carry-on essentials, set reminder and suggests carry items based on travel history.
- Managed and connected data to Android application through MySQL and Flask.
- Designed a Raspberry Pi based auto-follow system for luggage that tracks the owner's motion using tracking API of OpenCV.

### EmbedVision Infotech - Hardware, Software Developer Intern

**Aug 2017 – Nov 2017**

- **Technologies used:** Keil u VISION IDE, Proteus ISIS Professional, ProgISP 1.72 Flash Programmer, Express PCB.
- Built a moveable robot and gripper arm using a microcontroller for a Non-Profit organization.
- Coded using C language scripts on Keil IDE and designed prototype using Proteus ISIS to test and debug complete embedded system.
- Programmed microcontroller using ProgISP, traced and printed PCB using Express PCB.
- Achieved better performance by increasing the efficiency by 30% and reducing power consumption by 20%.

### Hewlett Packard, Software Developer Intern

**Jan 2017 – Apr 2017**

- **Technologies Used:** C++, Eclipse IDE, Microsoft Azure
- Developed a sensor that monitors air quality, gives audible warning on airborne contaminants and stores history of contamination using Microsoft Azure as a cloud-based data storage.
- Applied MRAA and UPM libraries with C++ language on Intel System Studio to interface Air quality sensors and buzzers.