

EDUCATION

California State Polytechnic University, Pomona: Master of Science Computer Science

June 2018

RGPV, Institute of Professional Studies, Indore, India: Bachelor of Engineering in Computer Science

June 2016

TECHNICAL SKILLS

Languages	:	Java, C/C++, Python, PHP, C#
Databases	:	MySQL, NoSQL MongoDB, Oracle
Web Technologies	:	HTML5, CSS, Java Script, jQuery, Bootstrap, AngularJS, NodeJS, Express.js, Spring MVC, WordPress
Mobile	:	Android Application Development, Firebase
Server	:	Amazon Web Services
Tools	:	GitHub, Jenkins, TravisCI, CircleCI
Operating System	:	Microsoft Windows, Linux

EXPERIENCE

Outreach Department / Outreach database administrator / California State Polytechnic University-Pomona

Jan 2018-Present

- Develop web pages using WordPress, PHP, JavaScript, jQuery, HTML5, CSS and Bootstrap for Outreach Department, California State Polytechnic University, Pomona.
- Optimize feature set of the website and help to debug existing source code.
- Maintenance of the content management system of Outreach website used to organize various tours, events, and counseling to university students or visitors.

Rapidly | Full stack developer | Summer Internship | Los Angeles

June 2017-Aug 2017

- Developed and deployed a dynamic and responsive web application under general supervision, that lends loan to user on different policies of the company, using MEAN stack technology and presented ideas for system improvement.
- Implemented Plaid API to get the bank information of the user to ensure accuracy and authenticate transactions.
- Implemented SendGrid mail services to send mails to user for the confirmation and other information about the product.

Industrial training / Institute of professional studies, Indore, India

June 2015-July 2015

- Completed training on JAVA Advance, implementing concepts on Server Socket programming and synchronization
- Developed practice programs to implement the concepts of Server Socket programming and developed strong object-oriented programming concepts.
- Secured A+ level certificate for the same from Sunrays Technology

STARTUP PROJECTS

Quick Rent | <https://github.com/Brogramerr/QuickRent> | California State Polytechnic University

Jan 2017-March 2017

- Developed and deployed a dynamic and responsive web application that lets users rent products rather than buying them, using MEAN stack.
- Created a single platform to rent all items and provided bifurcation by different categories.
- Implemented continuous integration using TravisCI and deployed code through AWS and tested the product in controlled, real situations before going live.

RECENT PROJECTS

Machine Learning Movie recommender / California State Polytechnic University

April 2017-June 2017

- Replicated machine learning algorithms to predict and recommend movies to user, saving time to make a decision for watching a movie.
- Used Collaborative filtering method to predict the suggestion for the movie to user in scripting language Python.

Movie+ / <https://github.com/MLProgrammers/Movie-> / California State Polytechnic University

April 2017-June 2017

- Designed an android application, for movie recommendation.
- Used datasets from datasets API from OMDb and TMDb to access the movie database.

Order now / <https://github.com/tarun20mogra/OrderNow/> / California State Polytechnic University

April 2017-June 2017

- Designed an android application for helping university students to order food online.
- Created a single platform to order anything within the campus, eliminating the need to stand in line to get the food.

Testing Project | <https://github.com/tarun20mogra/ibox-app/> / California State Polytechnic University

Sept 2016-Nov 2016

- Completed automated unit testing using mock objects in JUnit, which tested for file creation, update, deletion, to disk.
- Implemented code coverage using Cobertura, used different plugins to carry out static code analysis.

Static Code Analysis | <https://github.com/tarun20mogra/StaticCode.git/> / California State Polytechnic University

Sept 2016-Nov 2016

- Developed a code written in JAVA which checks for bugs in codes and shows error messages helping coders to debug their program.
- Implemented file handling to take the base code as text file and indicate errors.

AWARDS

- Microsoft badge holder, MTA(Microsoft Technology Associate) for database fundamentals.
- Secured a **vice chancellor scholarship** from the Rajiv Gandhi Proudyogiki Vishwavidhyalaya university on behalf of my academic result of 8.9 of 10.