

# Bhawana Purandare

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## EDUCATION

**Master's in Computer Science**, California State Polytechnic University Pomona (Expected May 2020)

- Graduate Student Assistant (Concepts of Programming Languages)

**Bachelor's in Computer Engineering**, Pune University India (May 2016)

## TECHNICAL SKILLS

**Languages and Technologies:** Java | Python | C | MySQL | MongoDB | JavaScript | AWS | GitHub | Docker | Linux

**Web and Front-end:** Ruby on Rails | HTML5 | CSS | JQuery | Bootstrap | REST | AJAX

**Functional:** Data Structures and Algorithms | Object-Oriented Methodologies | Agile Development | SDLC | MVC

**Certifications:** Core Java (Bitcode Technologies Private Limited) | C Programming (Seed Infotech India)

## TECHNICAL PROJECTS

**Machine Learning – Boston Dataset, Facial Expression Recognition Analysis (Kaggle competition) – 2019**

- Performed linear regression – achieved an accuracy of 75% using gradient descent, stochastic gradient descent algorithms to build a machine learning model from scratch, using Python, Numpy, Pandas
- Built a convolutional neural network model to achieve an accuracy of 76% for facial expression recognition using Python, Tensorflow, Keras, Numpy, Pandas, on the testing dataset in an online Kaggle competition
- [github.com/Bapurandare/Machine-Learning-Projects](https://github.com/Bapurandare/Machine-Learning-Projects)

**Healthcare Scheduler for Patients and Doctors - 2018**

- Created a patient appointment scheduler application with appointment notifications functionality using Java dynamic web application framework
- Deployed the application using Amazon EC2 instance with technologies like Java, React, MySQL, Spring boot

**Securing Personalized Web Search - 2016**

- Utilized a combination of data mining techniques and cyber security techniques to protect the privacy of the users at the server side in cases of any 'insider' or 'man-in-the-middle' attacks
- Used the hashing algorithm for encrypting user's search history as well as his identity with an interactive user interface using technologies such as Java, Java Swing, Servlet, MySQL
- [github.com/Bapurandare/Project](https://github.com/Bapurandare/Project)

## PROFESSIONAL EXPERIENCE

**Web Developer**, Anulom Technologies India, 2017 – 2018

- Developed frontend functionalities for appointment scheduler and task manager in the web application using Ruby on Rails framework and frontend development tools such as HTML, JavaScript, JQuery
- Implemented a comment and service request mechanism for clients as well as the company staff to reduce significant amount of work hours of customers, employees, and business partners
- Performed regular testing, deployment, and bug fix in an agile development environment
- Executed database management using MySQL, and version control with SVN
- [www.anulom.com](http://www.anulom.com)