

# HARSH HARIKRISHNA PATNI

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Advanced Artificial Intelligence, Programming Practicum, Data Structures & Algorithms, Advanced Operating Systems, Formal Languages & Methods, Computer Networks, Distributed Computing, Advanced Database Management Systems, Survey of Software Engineering, Wireless Networks & Communications, Software Quality & Assurance.

## Skills

### PROGRAMMING LANGUAGES

C++  
Python  
PHP  
Java

### WEB TECHNOLOGIES

HTML/CSS  
JavaScript  
React  
Angular

### DESIGN PATTERN

Singleton  
MVC

### SDLC

Agile  
Waterfall

### INTERPERSONAL SKILLS

Communication  
Leadership  
TeamWork  
Public Speaking

### OTHERS

Git(Version Control)  
AWS

## Education

Texas State University  
MS Computer Science 2019

Aug. 2017 to Current

University of Mumbai  
BE Computer Engineering 2017

July 2013 to May 2017

## Employment

Department of Computer Information Science & Quantitative Methods, Texas State University  
**Graduate Assistant** San Marocs  
Aug. 2018 to Current  
Tutoring topics of Data Structures, Software Development and System Analysis.

Department of Modern Languages, Texas State University  
**Technical Assistant** San Marocs  
Jan. 2018 to Mar. 2018  
Managing servers for the department using SQL.

Infonaya Software Solutions  
**Web Development Intern** Anand, Gujarat  
Dec. 2015 to Feb. 2016  
Worked in the development of web and mobile applications.

## Projects

TravelCo · July 2018 to Aug. 2018  
[HTML5, CSS3, PHP, JavaScript]  
Designed & developed a travel reservation system which can be used for making flight and hotel reservations. The payment could be made using credit card and travel miles. Created the database using SQL Workbench and the frontend using JavaScript and PHP.

Fitme · Feb. 2018 to Apr. 2018  
[PHP, Node.js, JavaScript, Fitbit Web API]  
Developed a web module which gets live Fitbit data from the device. Collect and analyzed the live heart-rate, calories, steps data and used in the other applications. Used OAuth authorization and FitBit Web API to connect to the registered device.

Simple Plagiarism Detector · Sept. 2017 to Nov. 2017  
[C++]  
Developed a plagiarism detector using KMP, LCSS and Rabin-Karp algorithms. Tested using 20 .txt files and compared them using the above algorithm concepts.

Expert System · Sept. 2018 to Oct. 2018  
[C++]  
Developed an Expert System using Artificial Intelligence techniques which can help freshmen students to choose their major. Developed using forward and backward chaining techniques.

## Awards

International Conference. (ISBN.978-93-86171-02-3.) · Apr. 2017  
Technical Paper "PHP Automated API Generator"

The Institute of Engineering & Technology. · Mar. 2017  
National Level Project Competition (KJSIEIT-INTECH)

## Activities

Computer Science Society of India · Committee Member Aug. 2013 to Mar. 2017

## Certification

Udemy · Complete Python Bootcamp Course June 2018 to July 2018