

# HARSH HARIKRISHNA PATNI

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## SOFTWARE ENGINEER | APPLICATION ENGINEER | PROJECT LEAD

A results-driven, multilingual Software Engineer with the educational qualifications and proven work ethic to create custom software solutions that solve challenging problems using a combination of industry standard and cutting-edge technologies. Practices test-driven-development, and identifies, troubleshoots, and solves software defects as needed to ensure projects are completed on time and met all expectations. Exemplary educational qualifications including a Master of Science in Computer Science from Texas State University in progress (2019).

### ADDITIONAL CREDENTIALS

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#### TECHNICAL SKILLS

Languages – Python, C++, Java, PHP, MEAN Stack  
Web Technologies – JavaScript, AngularJS, HTML5/CSS, React Native, React  
Databases – MongoDB, MySQL, MS SQL Server, Oracle, Firebase  
Frameworks & Tools – Ionic Framework, CodeIgniter, WebRTC, Git (version control), NLP  
Other – AWS, Agile & waterfall methodologies, MVC, Scrum

### PROFESSIONAL EXPERIENCE

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#### COMPUTER INFORMATION SYSTEMS & QUANTITATIVE METHODS, TEXAS STATE UNIVERSITY | SAN MARCOS, TX | 2018 TO PRESENT

##### Graduate Assistant

- Display strong leadership and communication skills in tutoring topics of Data Structures, Software Development (C++, C#), mobile(iOS) development, and System Analysis.
- Develop interactive and innovative strategies to increase outcomes-based results.
- Utilize a wide variety of instructional techniques to increase the productivity of students significantly.

#### INFONAYA SOFTWARE SOLUTIONS | ANAND, GUJARAT | 2015 TO 2016 Web Development Intern

- Honed knowledge of the development process including design, specification, documentation, implementation, and testing.
- Cross-collaborated with other members of the development team on a daily basis.
- Conducted extensive research and testing to design and develop tailored interactive user interfaces.

### EDUCATION

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#### Texas State University, San Marcos, TX: 2019 | *Master of Science – Computer Science (GPA: 3.45)*

- **Relevant Coursework:** Advanced Artificial Intelligence, Advance Operating Systems, Algorithm Design and Analysis, Network and Communication.

#### University of Mumbai, Mumbai, India: 2017 | *Bachelor of Engineering – Computer Engineering (GPA: 3.5)*

- **Relevant Coursework:** Data Structure, Web Development, Operating Systems, DBMS and OOP's.

**Certifications or Additional Education:** Udemy - Complete Python Bootcamp Course, 2018

### PROJECTS

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#### **Fitme** (PHP, Node.js, JavaScript, Fitbit Web API, OAuth authorization) Spring 2018

- A web module which gets live Fitbit data.
- Collected and analyzed the live heart-rate, calories, steps data used in the other applications.

#### **Tune-up** (React Native, Firebase and Socket.IO, NodeJS) Spring 2019 - Present

- Developing end application for users to listen music in real-time sync while being remote.
- Features like live chat, volume and playback synchronization in the mobile app.

#### **Expert System** (C++) Fall 2018

- Developed an Expert System using Artificial Intelligence techniques to help freshmen students choose their major.
  - Developed using forward and backward chaining techniques.
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