

# SHUBHAM PATEL

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<http://shubhampatel.in/>

## EXPERIENCE

### AMAZON DEVELOPMENT CENTRE (INDIA) PVT. LTD.

*Software Development Engineer*

Bangalore, IN  
Aug '16-Present

- Working with Seller Flex team on Warehouse Management System for Indian Sellers; launching worldwide in 2018.
- Developed server-side multi-threaded RESTful APIs using Java.
- Developed client-side web interface supporting Internationalization and Localization in Indic Languages.

### BERKMAN KLEIN CENTER, HARVARD UNIVERSITY

*Open Source Software Developer (Google Summer of Code 2016)*

Remote  
April '16-Aug '16

- Worked on easing reservations approval process and report generation in Book-a-nook. [\[code\]](#)
- Developed 20 features including data visualization tool and notification system. [\[report\]](#)[\[video\]](#)[\[proposal\]](#)

### PRACTO TECHNOLOGIES

*Software Engineer – Intern*

Bangalore, IN  
Jan '16-April '16

- Created a scalable architecture for one-click production infrastructure replica. [\[term paper\]](#)[\[slides\]](#)
- Enabled automated software provisioning, code deployment and configuration management.

### AMAZON DEVELOPMENT CENTRE (INDIA) PVT. LTD.

*Software Development Engineer – Intern*

Bangalore, IN  
May '15-July '15

- Developed an automation tool for internal teams which facilitates periodic and on-demand notifications.
- Successfully completed the project till beta production in 50% of the estimated time.

### BOOKLY WEB LLP.

*Technical Lead, Backend Developer*

Gandhinagar, IN  
Mar '14-Dec '14

- Led the team of 8 in building a college-oriented portal to buy/sell used books. [\[site\]](#)[\[code\]](#)
- Developed the server-side code in 2 months using Ruby on Rails.

## EDUCATION

### DHIRUBHAI AMBANI INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGY (DA-IICT)

*Bachelor of Technology, Information and Communication Technology, CPI: 8.57/10*

Gandhinagar, IN  
2012-2016

- Student Advisor, Data Structures & Algorithms course, Autumn 2015-16
- Secondary Teaching Assistant, Data Mining and Warehousing course, Autumn 2015-16
- Head Manager of Google Developer Group, DA-IICT Chapter. Led a team of 18 in organizing technical talks, hackathons and conferences for 3 years.
- Associate for Planning and Operations for Entrepreneurship and Incubation Cell (DCEI), 2013-14.
- Public Relations Coordinator for University's Sports Meetup, DA-IICT, 2012-13.
- First Prize, Algorithmic Programming Contest, 2012
- Second Prize, Debugging Competition, IEEE Annual iFest, 2012-13
- Team Lead (team size: 9), Software Engineering project [\[coursework\]](#)

### SGVP INTERNATIONAL SCHOOL

*ISC, Grade 12<sup>th</sup> 90.20% Rank 1*  
*ICSE, Grade 10<sup>th</sup> 89.29% Rank 2*

Ahmedabad, IN  
2012  
2010

- Awarded “Star of SGVP” award for all-round and outstanding performance in Study, Sports, and Spirituality, 2007
- Awarded “Anadi Mukta Award” and a Gold medal for exceptional academic performance, 2010
- School Captain, 2010-11
- School Vice-Captain, 2008-09
- Captain, School Football (soccer) Team, 2009-10
- Gold medalist, 7<sup>th</sup> Indian National Cyber Olympiad, 2007
- Co-founder, Editor, and Designer of School Magazine “The Sunrise”, Published 8 volumes.
- Won 7 trophies and 15 medals (8 Gold, 5 Silver, 2 Bronze) in individual/team athletics and games

## PROJECTS

- Enhanced Angry Birds game playing agent based on Java using Reinforcement Learning [[code](#)]
- Developed supervised and unsupervised machine learning approaches for syllabification of English words [[term paper](#)]
- Enhanced Planet wars game engine by adding various attack and defense strategies
- Sentiment Analysis of tweets written in Roman Hindi (Hinglish) using Python, NLTK, and Scikit-learn [[code](#)]
- An integrated developer's profile aggregated from REST APIs of prominent programming platforms [[site](#)][[video](#)][[code](#)]
- A Linux based file sharing platform using Ruby, Socket Programming, Shoes Framework [[code](#)][[report](#)]
- Developed an efficient dynamic memory allocator for Linux using C language
- Developed simulation model to compare process scheduling algorithms [[code](#)]
- Analyzed Indian railways official website using HCI laws and T-tests, proposed an alternate interface
- Developed mobile application to remotely control Linux-based music player [[code](#)]
- Token-based registration system based on cryptography [[video](#)][[code](#)]

## LANGUAGES AND FRAMEWORKS

- **Tools:** TensorFlow, Torch, Theano, AWS, Weka, Api.ai, Wit.ai, Git
- **Languages:** C, Java, Ruby, Python, HTML, CSS, JavaScript, MATLAB, SQL, LaTeX
- **Frameworks:** Spring, Hibernate, Ruby on Rails, ReactJS, Sinatra, Flask, jQuery, Flux, Handlebars
- **Operating Systems:** Linux, MacOS, Windows

## ADDITIONAL HONOURS

- Interned and volunteered at Tribhuvandas Foundation (an NGO by AMUL, India), Rural Internship, Dec. 2013
- State level Football player, represented Ahmedabad (Rural) team twice at Subroto Cup, Gujarat (India), 2007 and 2009.
- Invited speaker at FOSSASIA Summit, Singapore, 2017; Talked about recent impactful advancements in AI [[talk](#)]
- Invited speaker at Google Developer Group Developer Fest, Coimbatore, 2016; Talked about Git & GitHub [[talk](#)]
- Selected as Mentor, MIT Launch Program, 2016
- Selected as Mentor, Google Code-In, 2016
- Ranked 8<sup>th</sup> in Gujarat state, ICSE – GUJCET Joint merit list, 2012
- Ranked in top 2% among 1.2M students, All India Engineering Entrance Examination (AIEEE), 2012
- Ranked in top 4% among around 479K students, IIT Joint Entrance Examination (IIT-JEE), 2012