SHUBHAM PATEL

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EXPERIENCE

AMAZON DEVELOPMENT CENTRE (INDIA) PVT. LTD.   **Bangalore, IN**
Software Development Engineer   **Aug '16-Present**
- Working with Seller Flex team on Warehouse Management System for Indian Sellers; launching worldwide in 2018.
- Developed server-side code, multi-threaded RESTful APIs for business logic on Java.
- Developed client-side web interface supporting Internationalization and Localization in Indic Languages.

BERKMAN KLEIN CENTER, HARVARD UNIVERSITY   **Remote**
Open Source Software Developer (Google Summer of Code 2016)   **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   **Bangalore, IN**
Software Engineer – Intern   **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.   **Bangalore, IN**
Software Development Engineer – Intern   **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.   **Gandhinagar, IN**
Technical Lead, Backend Developer   **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)   **Gandhinagar, IN**
                                                                              2012-2016
Bachelor of Technology, Information and Communication Technology, CPI: 8.57/10
- 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   **Ahmedabad, IN**
                                                                              2012
                                                                              2010
ISC, Grade 12th   *90.20%*   *Rank 1*
ICSE, Grade 10th   *89.29%*   *Rank 2*
- 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 Team Soccer (Football), 2009
- Gold medalist, 7th Indian National Cyber Olympiad, 2007
- Co-founder, Editor, and Designer of School Magazine "The Sunrise", Published 8 volumes.
- Won 7 trophies and 13 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
- Invited speaker at FOSSASIA Summit, Singapore; Talked about recent impactful advancements in AI [talk]
- Invited speaker at Google Developer Group Developer Fest, Coimbatore, 2016; Talked about software version control
- State level Football player, represented Ahmedabad (Rural) team twice at Subroto Cup, Gujarat (India), 2007 and 2009.
- Selected as Mentor, MIT Launch Program, 2016
- Selected as Mentor, Google Code-In, 2016