

SHUBHAM PATEL

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<https://shubhpatel108.github.io/>

EXPERIENCE

APPLE

Senior Software Engineer / Tech Lead

Seattle, US

Oct '22-Present

- Leading development of app review tools for 9M apps before being delivered to 1.5+ billion Apple users.

AMAZON

Software Development Engineer II

Seattle, US

Apr '19-Sep '22

- Led a team of 7 in performing high-throughput barcode validations in Amazon catalog data ingestion systems.
- Led Amazon Catalog quality improvement ML program based on low-latency Decision making and classification algorithms.
- Improved multi-source reconciliation algorithms fixing 500M products' data of 5 attributes visible to end customer on Amazon Retail pages.

AMAZON

Software Development Engineer

Bangalore, IN

Aug '16-Apr '19

- Developed Warehouse Management System for Amazon Sellers worldwide, launched in 5+ countries.
- Developed 20+ full stack features and scaled the system from 0 to 100K monthly users within a year.

BOOKLY WEB LLP.

Tech Lead, Founding Engineer

Gandhinagar, IN

Mar '14-Dec '14

- Led a team of 8 in building an open source college-oriented portal to buy/sell used books. [\[code\]](#)
- Launched and used in 35+ universities in India.

INTERNSHIPS

BERKMAN KLEIN CENTER, HARVARD UNIVERSITY

Google Summer of Code 2016 – Open Source Software Developer

Remote

April '16-Aug '16

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

PRACTO TECHNOLOGIES

Software Engineer – Intern

Bangalore, IN

Jan '16-Apr '16

- Developed a scalable framework for replicating production infrastructure based on AWS. [\[whitepaper\]](#)[\[slides\]](#)
- Reduced manual efforts by 90% from 2.5 hours to 10 mins.

AMAZON DEVELOPMENT CENTRE (INDIA) PVT. LTD.

Software Development Engineer – Intern

Bangalore, IN

May '15-Jul '15

- Developed an automation tool for internal teams which facilitates periodic and on-demand notifications.

EDUCATION

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

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

Gandhinagar, IN

2012-2016

SGVP INTERNATIONAL SCHOOL

ISC, Grade 12th 90.20%

ICSE, Grade 10th 89.29%

Ahmedabad, IN

2012

2010

LANGUAGES AND FRAMEWORKS

- **Tools:** AWS, Eclipse, IntelliJ, Git, GitHub, ElasticSearch, NLTK, Scikit-learn, Weka
- **Languages:** Java, Python, C, Ruby, HTML, CSS, JavaScript
- **Frameworks:** Spring, Hibernate, Ruby on Rails, ReactJS, Sinatra, Flask, jQuery, Flux, Handlebars, TensorFlow, PyTorch, AutoGluon
- **AWS:** DynamoDB, Kinesis, Data pipeline, Redshift, Aurora, ElasticSearch, SQS, SNS, S3, EC2, Lambda, RDS, SageMaker, CloudFormation, CloudWatch, API Gateway, IAM

HONOURS AND AWARDS

- Invited Speaker, FOSSASIA Summit, Singapore, 2017; Talked about advancements in AI [[talk](#)][[slides](#)]
- Invited Speaker, Google Developer Group Developer Fest, Coimbatore, 2016; Talked about Git & GitHub [[slides](#)]
- Mentor, Google Code-In, 2016
- Mentor, MIT Launch Program, 2016
- Mentor, GirlScript India, Summer of Code, 2018
- Judge, GNEC Hackathon for UN SDGs, 2023 [[website](#)]
- Judge, United Hacks Hackathon, 2023 [[website](#)]
- Judge, UPES Hackathon, 2023 [[website](#)]
- Judge, Stratus Awards for cloud computing, Business Intelligence Group, 2023 [[website](#)]
- Technical Reviewer, Early release books, O'Reilly (ongoing)
- Lead Manager, Google Developer Group, DA-IICT Chapter (group size: 18 members and volunteers)
- Associate for Planning and Operations for DA-IICT Entrepreneurship and Incubation Cell (DCEI), 2013-14.
- Public Relations Coordinator for University's Sports Meetup, DA-IICT, 2012-13.
- Student Advisor, Data Structures & Algorithms course, DA-IICT, Autumn 2015-16
- Secondary Teaching Assistant, Data Mining and Warehousing course, DA-IICT, Autumn 2015-16
- Co-founder, Editor, and Designer of School Magazine "The Sunrise", Published 8 volumes.
- School Captain, SGVP, 2010-11
- School Vice-Captain, SGVP, 2008-09
- Captain, School Soccer Team, SGVP, 2008-10
- State level Soccer player, Ahmedabad team, Gujarat (India), 2007 and 2009
- Gold medalist, 7th Indian National Cyber Olympiad, 2007
- Ranked in top 2% in All India Engineering Entrance examinations, 2012
- Invitee, United Nations day Reception, XPRICE Water scarcity and Women's safety launch with NITI Aayog

ADDITIONAL PROJECTS

- Enhanced Angry Birds game playing agent based using Reinforcement Learning [[code](#)]
- Developed supervised and unsupervised machine learning approaches for syllabification of English words [[term paper](#)]
- Sentiment Analysis of tweets written in Roman Hindi (Hinglish) using Python, NLTK, and Scikit-learn [[code](#)]
- Open source aggregated Developer profile. Tech Lead for team of 9. [[documentation](#)]