

# Zeel B Patel

Date of birth: 04-08-1996

Nationality: Indian

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GitHub: <https://github.com/patel-zeel>

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Gandhinagar, Gujarat-382355

Webpage: <https://patel-zeel.github.io/>

## Current Role

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**PhD student** (Advisor: [Nipun Batra](#))

*Jan 2020 - present*

Current CPI: 8.54/10

Computer Science and Engineering

IIT Gandhinagar, Gujarat, India

## Education

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**MTech in Smart Manufacturing**

*Aug 2017 - May 2019*

IITDM Kancheepuram, Chennai, India

CGPA: 9.17/10

**BE in Mechanical Engineering**

*Aug 2013 - May 2017*

KSV University, Gandhinagar, Gujarat, India

CGPA: 7.88/10

**HSC [Class XII] [Gujarat Higher Secondary Board]**

*Apr 2011 - Mar 2013*

Ved International School, Gandhinagar, Gujarat, India

Percentage: 79.69/100

**SSC [Class X] [Gujarat Higher Secondary Board]**

*Apr 2010 - Mar 2011*

Sardar Patel High School, Indraprastha, Anjar, Gujarat, India

Percentage: 84.8/100

## Industrial Experience

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**Data Scientist in R&D team**

*Jun 2019 - Dec 2019*

Inspirisys Solutions Ltd., Chennai, India

## Programming languages

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**Python (proficient), C (basic)**

## Publications ([Google Scholar Profile](#))

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**Zeel B Patel**, Palak Purohit, Harsh Patel, Shivam Sahni, Nipun Batra

*Accurate and Scalable Gaussian Processes for Fine-grained Air Quality Inference*

Accepted at AAAI, 2022

**Zeel B Patel**, Nipun Batra

[Towards Active Air Quality Station Deployment](#)

SubSetML Workshop, ICML, 2021

Rishiraj Adhikary, **Zeel B Patel**, Tanmay Srivastava, Nipun Batra, Mayank Singh, Udit Bhatia, Sarath Guttikunda

[Vartalaap: What Drives #AirQuality Discussions: Politics, Pollution or Pseudo-science?](#)

ACM CSCW, 2020

**Zeel B Patel\***, S Deepak Narayanan\*, Apoorv Agnihotri, Nipun Batra

[Poster Abstract: A toolkit for spatial interpolation and sensor placement](#)

ACM SenSys, 2020

**Zeel B Patel**, Nipun Batra

[Active Learning: A Visual Tour](#)

3rd Workshop on Visualization for AI Explainability, IEEE VIS, 2020

**Zeel B Patel**, Sreekumar Muthuswamy

[A Machine Learning Scheme for Tool Wear Monitoring and Replacement in IoT-Enabled Smart Manufacturing](#)

ICIPDIMS, 2019

## Academic Service

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Reviewer at ACM COMPASS'21 Posters and Demos

7 Jun 2021

## Teaching

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Introduction to Bayesian Machine Learning, [A guest lecture in Machine Learning course](#)

27 Mar 2021

Introduction to Active Learning, A guest lecture in [Ubuqutous computing course](#)

10 Nov 2021

## Attended Conferences and Schools

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[Gaussian Process and Uncertainty Quantification Summer School, University of Sheffield](#)

13-16 Sep 2021

Virtual event

[Google Graduate Symposium 2021](#)

7-10 Apr 2021

Virtual event

ACM SenSys 2020

16-19 Nov 2020

Virtual event

[Gaussian Process and Uncertainty Quantification Summer School, University of Sheffield](#)

14-17 Sep 2020

Virtual event

ACM SIGKDD 2020

23-27 Aug 2020

Virtual event

IRISS 2020

13-15 Feb 2020

IIT Gandhinagar, Gujarat, India

## Awards

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Google Compute grant (\$ 5000 credits in GCP)

12 Nov 2021

ICML 2021 registration grant

14 Jul 2021

VIS 2020 registration grant

9 Oct 2020

## Positions of Responsibility

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Program Volunteer

2020

- IRISS2020: 14th Inter-Research-Institute Student Seminar in Computer Science  
IIT Gandhinagar, Gujarat

Session Host

- RoSMa2018: 1st International Conference on Robotics and Smart Manufacturing  
IITDM Kancheepuram, Chennai

2018