

# Utsav Shah

utsavpshah@gmail.com | (+91)-9890090969

## EDUCATION

### B.TECH IN INSTRUMENTATION AND CONTROL

May 2014 | Ahmedabad, IN  
Nirma Institute of Technology  
Cum. GPA: 8.11 / 10.0

## LINKS

LinkedIn:// **UtsavShah01**  
Github:// **Utsav91292**  
HackerRank:// **Utsav09**  
Twitter:// **@Utsav91292**  
Quora:// **Utsav-Shah**

## SKILLS

### PROGRAMMING

Over 5000 lines:

Java • JavaScript

Frameworks:

Spring Boot • Angular • Spring

Hibernate • JUnit

Others:

Microservices • Agile • TDD

MySQL • Redis • ActiveMQ

Keycloak • Spring Security

Design Patterns • Mockito

REST API Development

## PUBLICATION

International book publication on  
Arduino BLINK Blueprints via Packt  
Publishing

## EXPLORATION

- Predictive Maintenance using Intel Edison and NodeJS with enableiot Cloud
- Visual Jenkins Build status using Arduino and Python
- Active participation in developing low-cost 3D Printed Prosthetic arm.
- AndroArm: Developed an Android application for controlling the Robotic Manipulator using Bluetooth.
- Shadow Arm: A concept Robotic Arm mirroring Human Hand movement using Computer Vision with Leap Motion Controller
- Smart Learning System using Python & PHP on Raspberry Pi and Makey Makey
- Gesture Controlled Robotic Arm using Image Processing in Matlab

## EXPERIENCE - 5.5+ YEARS

### PTC INC. | FEB 2017 – TILL PRESENT | PUNE, IN

Technical Lead | Dec 2019 till present

- Developed free access to eLearning for all the platform users at PTC University during COVID-19 outbreak within couple of days.
- Developed VM Provisioning and Order Processing microservice using Spring Boot, Hibernate and MySQL.

Senior Software Specialist | Jun 2018 - Nov 2019

- Implemented Single Sign On across PTCU's two different platforms using Keycloak as Identity Provider with SAML as protocol.
- Developed datawarehouse microservice for event table, which led to 90% increase in query execution time for reporting.

Software Specialist | Feb 2017 - Jun 2018

- Developed microservice for managing licenses of PTCU LMS using Spring Boot, Hibernate and Redis, which led to 25% improvement in the login time.

### INFOSYS | JUNE 2014 – FEB 2017 | PUNE, IN

Senior Systems Engineer | Jun 2016 to Feb 2017

- Led team of 5 to design and develop fleet management & analytics system using Google Maps, AngularJS, Spring MVC, Apache Kafka & Atmosphere framework.

Systems Engineer | Jun 2014 to Jun 2016

- Designed and developed Live Tracking Feature of ships using Spatial Computing with Google Maps, Spring MVC, Spring Batch, Java & PostgreSQL (with PostGIS).

## RESEARCH

### IDEA LAB | NIRMA UNIVERSITY

Apr 2013 - Mar 2014 | Ahmedabad, IN

Worked on a social application Speaking Hands, which converts Sign Language to Speech using Artificial Neural Network and Google Text-To-Speech API. This research was covered by Yourstory and Ahmedabad Mirror.

## ADDITIONAL HONORS & AWARDS

- |      |   |
|------|---|
| 2019 | Most Valuable Player/Award for Excellence from Director, PTC University     |
| 2017 | Insta Award & Green Horn Award from Head, India Business Unit, Infosys      |
| 2016 | Winner of Infosys Hackathon-2016, Pune Edition                              |
| 2015 | Special Recognition Award at Infosys, Pune                                  |
| 2015 | SPOT(Star Performer Of the Team) award from India Business Unit, Infosys    |
| 2015 | Winner of Infosys Hackathon-2015, Pune Edition                              |
| 2014 | Full funding from Idea Lab at Nirma University for project-"Speaking Hands" |
| 2010 | Merit Based Scholarship from Government of India                            |

## EXTRACURRICULARS

- |         |   |
|---------|---|
| 2017-18 | Leading Maker Space activity at PTCU Products   |
| 2017-18 | Conducted workshop on Arduino for PTC employees   |
| 2016-17 | Mentored instructors from FabLab for workshops on Arduino and Java at Vigyan Ashram-NGO affiliated with MIT Media Lab |
| 2015-16 | Led Maker Club activities at Infosys Pune   |
| 2015-16 | Founded Maker Labs across Infosys Development Centers in India  |