

# Tanmay Singhal

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## EDUCATION

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Jul, 15 - Jun, 19 **Pune Institute of Computer Technology, BE**  
Scored aggregate of 9.0 CGPA under Savitribai Phule Pune University in Computer Engineering branch.

## EXPERIENCE

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- May, 19 **7Targets AI Assistant, Senior Software Engineer**  
Implementing AI sales assistant based on Java Spring, Python Serverless, AWS Comprehend, AWS Step Function, AWS API Gateway, AWS ECS and AWS Lambda. Created a ML model to accept excel files and extract useful information. Created another ML model to detect signature part from any Email.
- Apr, 19 - May, 19 **AdElement Media Solutions, Intern**  
Created a Web-App for Big-Data Visualization on Python-Flask, HTML/CSS and implemented APIs of AWS Athena and AWS S3. Shifted logs from AWS S3 Parquet files to AWS Redshift.
- Apr, 18 - Jan, 19 **Messed Up, Co-Founder**  
A fully functional app which displays a daily menu of nearby mess to the users so that they choose to have a variety in their meal. Currently on Play Store.
- Mar, 18 - Apr, 18 **Studyduniya.com, Intern**  
Managed php backend of their website studyduniya.com. Helped them migrate their website on AWS EC2.
- Jul, 17 - Aug, 17 **Airstacks Networks Pvt Ltd, Intern**  
Created backend and APIs for the upcoming project wannahangout. Managed their database in Postgresql.
- Dec, 16 - Aug, 17 **Automation of Things Pvt Ltd, Intern**  
Created backend for Asset and Inventory Management Database using Yii2 (PHP framework).

## PROJECTS

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### JotItDown

Developed a basic Notes Taking chrome NewTab extension with minimal and simple UI. Used Chrome API and JavaScript to give many keyboard shortcuts. Available on [Chrome Webstore](#). Used Quill.js with some tweaks for the text editor.

### IStayAtHome.in

Created a web-app [istayathome.in](#) which hosts a lot of challenges. Users can complete these challenges and nominate other people on social networks to boost positivity. This was made to prevent boredom in people at the time of lockdown during COVID-19.

### Comprehensive Developers Assistant (CoDA)

Developed a chatbot using RASA Framework integrated with Linux terminal, StackOverflow, Github to execute commands using Natural Language. Implemented Ranking model for StackOverflow answers.

### IOTA Node

Ran a full node of IOTA cryptocurrency on my laptop using IOTA's official API. Was able to send a message using IOTA node in the form of 0 IOTA currency.

## SKILLS

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C/C++ | Java Spring Boot | Python/Flask | Serverless | PHP | AWS | React.js | Bootstrap | Netlify | MySQL | Android | Firebase

## HACKATHONS

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### Tech Mahindra Botify Hackathon, Winner

Developed a camera-based AI weapon detector using YOLO2 framework and TensorFlow. Could be used to install in ATMs to avoid ATM robbery.

### Android Code Sprint, Winner

Awarded most innovative idea award for Messed Up.

### IIT Bombay, I\_HACK Hackathon

Developed an AR-based app that can model maps for pathfinding. It can be used for indoor navigation in any exhibition center or mall. Using Google's ARCore Library, placing anchors while walking helped in navigation.

## ACTIVITIES

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- Worked in C-DAC for a month. Learned basics of OpenMP, MPI and High-performance computing.
- Volunteered in PISB – IEEE society. Developed UI for Clash(coding competition) and Reverse Coding for Credenz fest.
- Did on Open Source Contribution on [mozilla](#) / [mozdownload](#).

## INTERESTS

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Badminton | Bike Riding