

# Poojan Thaker

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## Skills

- C++, Python, Java, Golang, C#, SQL, HCL
- SWING, AWT, Terraform, Google Cloud Platform, Flask, Django
- HTML, CSS, Javascript, Adobe Photoshop

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## Experience

### Software Engineer | Google | Warsaw, Poland

Sept 2021 - Present

- Implemented several important features in [Migration Center Collector](#) to accelerate migrations to Google Cloud Platform.
- Integrated Migration Center Collector with [Fit assessment tool](#) to improve the critical user journey.
- Created an end-to-end automated framework for Migration Center Collector reducing the avg. development time by ~30% and improving the robustness of the product.
- Tech used : Golang, Terraform, Google Cloud Platform(GCE, Pub-Sub, BQ), Java, C#, SpannerDB

### Software Engineer | DE Shaw India Pvt. Ltd. | Hyderabad, India

Jul 2020 - Sept 2021

- Enhanced and maintained DE Shaw's proprietary backend data platform - 'SPyC'
- Migrated SPyC to a newer and efficient caching framework.
- Innovated a new cache refresh setup to ensure that caches are updated in real time and removed a 5 minute latency.
- Implemented 'Namespace' feature which made usage and configuration easier - contributing to onboarding of new clients to SPyC.
- Tech used : Python.

### Software Engineer (Intern) | Goldman Sachs | Bengaluru, India

May 2019 - July 2019

- Developed the back-end for 'Client Profile Dashboard' in Java, which is issued for tracking and visualizing a client's recent behavior with the firm, hence saving countless productive hours of 300+ employees.
- Provided initial research, planned the project, designed and implemented the analytical models in the project.
- Tech used : Java.

### Teaching Assistant | BITS Pilani | Goa, India

July 2018 - May 2019

- Designed lab exercises and problem sets for 200+ students enrolled in Data Structures & Algorithms and Objected oriented programming. Examples here: <https://github.com/PoojanThaker/Lab-Problems>
- Provided group tutoring improving the avg. lab score by 12%.
- Tech used : C++, Java.

### Software Engineer (Intern) | Infibeam.com | Gandhinagar, India

May 2018 - July 2018

- Built Enterprise Content Management System for UAE's Economic Zones on Django and MySQL
- Tech used : Django, MySQL, HTML, CSS, Javascript.

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## Key Projects

### Ease Chair | [Video](#)

- Constructed a low-cost wheelchair having self-driving and indoor navigation facilities for the disabled and the elderly.
- Spearheaded a team of four, initiated, planned and coordinated the project
- Played a vital role in the formulation and implementation of graph algorithms in this project.
- Tech used: C++, Python, Robot operating System.

### YOLO - API | [Github](#)

- Created an API to detect objects in images in real time.
- Deployed Yolo V3 neural net (real-time object detection algorithm) darknet model using Flask.
- Containerized the app using Docker and deployed it on Heroku.
- API live at : <https://yolo-rest-api.herokuapp.com/api>
- Tech used: Flask, Docker, Heroku.

### Super-Mario: The cursed forest | [Github](#) | [Video](#)

- Developed a game similar to the classic 2D arcade game 'Super Mario Bros'
- Tech used: Java, AWT, SWING.

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## Education

Bachelor of Engineering in Computer Science (CGPA: 8.98/10) | BITS Pilani | Goa, India   Jul 2016 - Aug 2020

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## Achievements and Certifications

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### Competitive Programming

2021: 143<sup>rd</sup>/10k Google Kickstart D  
2019: 162<sup>nd</sup>/3k ACM-ICPC Online  
2019: 60<sup>th</sup>/3k ACM-ICPC Regionals  
2019: 48<sup>th</sup>/1179 Codeforces Round-612  
2019: 231<sup>st</sup>/2098 Google Kickstart H

### Certifications

2021: Web scraping with Python LinkedIn  
2020: Problem Solving Hackerrank  
2019: DS and Algos (Advanced) Codechef

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## Publications

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- R.Parveen, P.Thaker and N.Goveas. Model-based approach for cyber-physical systems applications development. Pacific Asia Conference on Information Systems(PACIS'19), 2019 -- [Link](#)

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## Academic Achievements

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- 2019: top 6% in College – BITS Merit Scholarship
- 2016: 1538th/1200k – JEE Mains
- 2016: 2339th/150k – JEE Advanced
- 2015: India Rank 1374 – KVPY Fellowship

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## Extra-curricular

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### Design Head | Quark'19 | BITS Pilani, Goa

May 2018 - May 2019

- Led a team of 16 graphic designers responsible for designing creative content for social media and offline publicity for one of the largest technical-fests in India – Quark
- Published ~150 posters and ~10 videos reaching more than 5k people on social media with every post.
- Created 3 t-shirt designs whose sale contributed to 12.5%(~500K INR) of the total budget in Quark.

### Instructor-in-Charge | QSTP'19

May 2018 - July 2018

- Taught Adobe Photoshop to ~60 aspiring Graphic Designers across India in the online course 'Introduction to Graphic Design' offered by Quark Summer Technical projects 2019
- Created the course curriculum, designed and evaluated the assignments and managed other instructors in the course

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## Links

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- LinkedIn profile : <https://www.linkedin.com/feed/>
- Github profile : <https://github.com/PoojanThaker>
- Codeforces profile : <https://codeforces.com/profile/infyy>
- Codechef profile : <https://www.codechef.com/users/infyy>
- ICPC profile : <https://icpc.global/ICPCID/O3XYLC9AN1EZ>