

# Samarth Patil

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## EXPERIENCE

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- **Backend Engineer, at Certa.ai**

*Dec 2023 - Present*

- Leading the development of SmartFill AI, an automated form-filling tool for vendors and suppliers utilizing Retrieval-Augmented Generation (RAG).
- Built the entire application end-to-end.
- Achieved a throughput of 500 questions per minute with an 87% accuracy rate.
- Enhanced the speed of the duplicate check feature of workflow engine by 35%.

**Tech Stack :** Django, Golang, Celery

- **Software Engineer, at Veritas Technologies**

*Aug 2021 to Nov 2023*

- Built an IP management tool for infra provisioning pipeline.
- Wrote a client side caching library for angular.
- Worked on optimizing the database of the multi-cloud cost analysis portal, to reduce the response time from minutes to few seconds.
- Wrote an automation tool for coverity defect filing to JIRA.

**Tech Stack :** Ansible, Python, Django, Angular

- **App Development Intern, at Ardouro Technologies.**

*May 2020 - Jul 2020*

- Contributed to variety of features, like client side video/image compression, client side cache, analytics etc.
- Worked on optimizing the application memory consumption in the infinite scroll feed of the home page.

**Tech Stack :** React Native, Redux

## PROJECTS

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- **Sam's World**

- Personal Portfolio Website build with React.
- The site supports markdown enabled blogging.

**Tech Stack :** React

- **Online Code Editor**

- An online tool to write your codes and excute them.
- Supports creation of sharable link and embedding of editor.

- Supports C++, C, Python

**Tech Stack :** React, Node, MongoDB, Docker

- **Maze Creator & Solver**

- A simple webpage that generates 2D maze using back-tracking algorithm and also solves the maze highlighting the path.

**Tech Stack :** React

## SKILLS

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- **LANGUAGES**

Python | Golang | Typescript | C/C++

- **FRAMEWORKS**

React | Angular | Django | React Native

- **DATABASE**

PostgreSQL | MongoDB

- **TOOLS & TECHNOLOGIES**

Git | Neovim | Docker | Ansible | Kubernetes

## EDUCATION

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- **B.Tech Computer Engineering, GPA: 9.5**

VIIT, Pune

2021

- **12th Standard, 82% agg.**

KBP College, Islampur

2017

- **10th Standard, 97% agg.**

Islampur High-School, Islampur

2015

## Links

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Github



LinkedIn



Leetcode