

# Rutwik Deshmukh

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## EDUCATION

### PCCOER, PUNE

#### B.E. IN COMPUTER SCIENCE

June 2022 | Ravet, Pune  
Savitribai Phule Pune  
University, Pune  
CGPA: 9.77/10

## LINKS

Hackerrank:// [rutwikdesh](#)  
CodeChef:// [rutwikdesh](#)  
Github:// [rutwikdesh](#)  
LinkedIn:// [rutwikd](#)  
Portfolio:// [rutwik](#)

## CERTIFICATIONS

Terraform Associate Cloud Engineer  
GCP Associate Cloud Engineer  
IBM Data Science Prof Certificate  
Programming in C++  
Programming in Javascript

## SKILLS

- Node JS
- HTML
- React JS
- CSS
- MongoDB
- Javascript
- Docker
- Python
- Angular
- SQL
- Express
- Django

## ACHIEVEMENTS

5 STAR CODER ON HACKERRANK

ACADEMIC TOPPER STOOD 1ST IN  
COLLEGE IN HSC 2018

AWARDED WITH THE DYNAMO - ONE  
FOR ALL REWARD BY QUANTIPHI

UNIVERSITY TOPPER IN ENGG.  
MATHEMATICS - I

200 ALL INDIA RANK (TOP 5%) IN  
DATA SCIENCE HACKATHON

## EXPERIENCE

### QUANTIPHI | FRAMEWORK ENGINEER

JAN 2022 – PRESENT | 1 YEAR 2 MONTHS | MUMBAI, MAHARASHTRA

- Developed a Resource Monitoring Dashboard using Looker Studio and Serverless GCP services as the frontend and backend respectively, for a leading client.
- Utilized Python, Cloud Run, and cloud functions for the backend development and deployment, allowing for over 20 monitoring options across 8 GCP services.
- Implemented parallel processing, resulting in a 500% performance improvement and a 5x reduction in execution time.
- Automated dynamic namespace creation in dataflow using CI/CD, leading to a 15% improvement in overall performance.
- Utilized terraform to automate and manage infrastructure deployments.

### PTC SOFTWARE | R & D INTERN

AUGUST 2021 – JAN 2022 | 5 MONTHS | PUNE, MAHARASHTRA

- Contributed to the development of PTC's flagship product, "PTC Creo" which is an industry-standard 3D CAD software for product design and development.
- Gained experience working with the Graphics Pipeline and rendering 2D models using C++ and Vulkan.
- Successfully reconstructed approximately 12 Creo test cases developed in C++ using Vulkan and built on PGL, resulting in a 3x increase in draw calls without compromising performance.

## PROJECTS

### DONUT JAN 2022 - FEB 2022 | 2 MONTHS

- Developed a responsive social media web app with features that include post creation, adding friends, and image reactions with likes and dislikes.
- Used enterprise-level packages and the latest MERN stack technologies for overall development, ensuring top-notch performance and reliability.
- Implemented Redux Toolkit for state management and JWT for secure authentication, providing the best possible user experience.
- Ensured the web app was fully responsive across multiple devices, allowing users to easily access the platform on any screen size.

### PEARL COLLAB DEC 2021 - JAN 2022 | 2 MONTHS

- Built a cutting-edge real-time project management website using React JS and Firebase, allowing users to manage projects, assign team members, and collaborate seamlessly through project comments.
- Designed the platform with a user-centered approach, providing an intuitive user experience and ensuring efficient project management.
- Implemented Firebase's real-time database, enabling users to view their team member's online status and collaborate with them in real-time.
- It provides a centralized location for all of a user's projects, streamlining project management and reducing scattered information.