

# Saurabh Kemekar

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## EDUCATION

### VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY

B.TECH IN ELECTRONICS AND COMMUNICATION

June 2018 - May 2022 | Nagpur, Maharashtra

CGPA : 8.02/10

## EXPERIENCE

### PUBLICIS SAPIENT | ASSOCIATE SDE 2

Nov 2023 - Present | Remote

- Worked on **React.JS**, **Next.JS** for developing the full fledged user and admin portal for client PTT public company limited Thailand.
- Authored and configured end-to-end unit test cases utilizing Jest and React Testing Library, leading to a substantial increase in **code coverage of files over 80%**. Making sure a robust and reliable software.
- Demonstrated **effective collaboration with cross-functional teams**, fostering a dynamic and cohesive working environment.
- **Tech Stack**: Next.js, React.js, TypeScript, Material UI, CSS, HTM

### PUBLICIS SAPIENT | ASSOCIATE SDE

Jun 2022 - Oct 2023 | Remote

- Developed a dynamic dashboard that delivers **real-time data visualization**, providing a comprehensive overview of API performance. Identify relevant metrics and data points to visualize.
- Played a role in enhancing the synthetic user **API journey** by incorporating validation features, allowing users to schedule API journeys as well.
- Worked on implementing the BFF layer (Backend for Frontend Pattern)
- **Tech Stack**: JavaScript, React.js, GraphQL, Material UI, CSS, HTML

### IVLABS | PROJECT INTERN | [Video]

Jun 2019 - Jul 2019 | VNIT Nagpur

- Implemented various algorithm which separated out the foreground object from background, can be used for detecting the moving object.
- **Tech Stack** : Python, Opencv, Numpy

## PROJECTS

### IMAGE MOSAICING [Link]

March 2020 - April 2020

- Generate **360-degree panorama of 5000 Images**. The SIFT technique was used to find the features in the image.
- Using the bit masking concept, eliminate artifacts that appeared while stitching 2 images.
- **Tech Stack** - Python, OpenCV, Numpy, Matplotlib

### AIR QUALITY MANAGEMENT [Link]

Jan 2020 - March 2020

- Developed a system that helps to find the temperature and concentration of gases in the room.
- Built a mobile application using MIT Inventor and used firebase to send the reading of the sensor to the application.
- **Tech Stack** - C++, ESP32, Firebase, MIT Inventor

## SKILLS

### PROGRAMMING LANGUAGES

Java • JavaScript • TypeScript  
• HTML • CSS • SQL • MongoDB

Familiar:

Python • C++

### LIBRARIES/Frameworks

React.js • Next.js • Redux • Jest  
• Spring boot • Material UI

### TOOLS

Git • Docker • Jenkins • Figma • Jira

Familiar:

AWS • Google Analytics

## ACHIEVEMENTS

### JP Morgan Code For Good

Hackathon | [Certificate]

Secured First Position at Code For Good Hackathon. Developed a web application solution for a nonprofit organization to administer their teaching processes.

## PUBLICATIONS

- R. Bhagwatkar, **S. Kemekar**, V. Domatoti, K. M. Khan and A. Singh, "Contrastive Learning-Based Domain Adaptation for Semantic Segmentation," 2022 National Conference on Communications (NCC), Mumbai, India, 2022.
- **Kemekar, Saurabh**, and Anamika Singh. "Challenges in Scene Understanding for Autonomous Systems." *Advancements in Interdisciplinary Research: First International Conference, AIR 2022, Prayagraj, India, May 6-7, 2022, Revised Selected Papers*. Springer Nature, 2023.

## COURSEWORK

Algorithms and Data Structures  
Basic of Machine Learning  
Mongo DB [Certificate]

## ACTIVITIES

### IVLABS, PROJECT HEAD

Jan 2020 - Jan 2021 | VNIT Nagpur

Responsible for the planning and organizing the projects at IvLabs.

### IEEE VNIT CHAPTER, VOLUNTEER,

Jan 2020 - Jan 2021 | VNIT Nagpur

Coordinate Various Workshop on Basic electronics, MATLAB, Solid works under IEEE