

# PRATIK PRADIP KALE

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## EDUCATION

B.Tech Computer Science (Third Year)

**MIT Academy of Engineering, Pune**

📅 August 2019 - Ongoing

- CGPA 8.3 out of 10

Higher Secondary Certificate

**Novel International School, Pimpri-Chinchwad**

📅 June 2017 - March 2019

- Percentage 68.15

Secondary School Certificate

**Shri Dnyanaeshwar Vidyalaya, Alandi**

📅 March 2017

- Percentage 92.20

## SKILLS



## EXPERIENCE

Graphic Designer

**Internship at WEiNVEN8**

📅 May 2020 - Jul 2020 📍 Pune

- Worked on strategy for Social Media
- Managed various social media platforms such as Instagram, LinkedIn, Facebook.
- Developed graphical content (Posters/Videos) for Social Media
- **Technology Used:** Adobe Illustrator, Adobe Premiere Pro

Front End Developer

**Internship at MIT Academy of Engineering**

📅 June 2021 - August 2021 📍 Pune

- **Problem Statement:** Develop a new automated system which can replace the old inefficient system of manual allocation of elective.
- **Solution:** A centralized automated process developed using a web portal. The users select their preference and admin allocates accordingly depending on availability and CGPA as ranking criteria. This process is being exercised actively saving enormous time and efforts for the Institute as well as students.
- **Technologies used:** HTML, Javascript, Firebase - Authentication, Firestore database, Materialize CSS
- **Application:** This portal is being used by our Institute for Minor subject allocation and has a user base of 800+ students.

## PROJECTS

Smart Traffic System to Optimize The City Traffic Using AI

**Major Project at MIT Academy of Engineering**

📅 July 2021 - Ongoing

- **Problem Statement:** Tap the enormous the potential of AI in mobility and transportation. To calculate green light timing optimally. To detect rapid response and emergency vehicles. To clear traffic for rapid response vehicles. To harmonically synchronize adjacent traffic signals for seamless travel
- **Solution:** This project requires a mathematical solution to determine the rate of traffic and calculate the green light time. A supervised Linear regression model OR ANN will be deployed for judging the count down.
- **Technologies used:** Unity - C#, Python, Firestore Database, IOT.

To Develop a Server Load-balancer

**Minor Project at MIT Academy of Engineering**

📅 August 2020 - March 2021

- **Problem Statement:** To manage the traffic and multiple client requests at the same time. Optimize the server connection time for user and cost for server vendor. Dynamically start and stop servers based on the traffic.
- **Solution:** A load balancer was created with help of Nginx Reverse Proxy and Apache servers. Using python a script was created to dynamically allocate servers. Docker was used to virtualize the servers and reverse proxy.
- **Technologies used:** Python, Docker, Apache, Nginx

## ACHIEVEMENTS



**Best Club of MITAOE**

Google Developer Student Club MITAOE recived Best Club Award under my lead



**Winner**

Chitrapradarshan- Photography Competition Organized by MITCON

## POSITION OF RESPONSIBILITY

Google Developer Student Club MITAOE - Community Lead

**Powered by Google Developers**

📅 July 2021 - Present

- 750+ Members
- Best Club Award 2022

Animix Club - Co-Founder

**Animation and Game Development Club**

📅 October 2020 - Present

ShutterBugs Photography Club - Activity Head

**Photography Club of MIT Academy of Engineering**

📅 January 2022 - Present