

# Gaurav Mekhe

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## Education

### Vishwakarma Institute of Technology

B.Tech in Mechanical Engineering  
Pune, Maharashtra | May 2023  
CGPA: **9.27/10.00**

### H.P.T Arts and R.Y.K Science College

CLASS XII  
Nashik, Maharashtra | Feb 2019  
75.38%

### Pethe Madhyamik Vidyalaya

CLASS X  
Nashik, Maharashtra | Mar 2016  
91.20%

## Skills

### Programming Languages:

- C++, Python, C, SQL

### Frontend:

- HTML, CSS, JavaScript, Bootstrap, jQuery, ES6, ReactJs, Material-UI

### Backend:

- NodeJs, ExpressJs

### Database:

- MySQL, MongoDB

### Familiar:

- Git, VS Code, PHP, Streamlit, NLP.

## Links

LinkedIn: // gauravmekhe27

Leetcode: // gaurav0401

Codechef: // gaurav0401

GFG: // gaurav0401

Portfolio: // gauravmekhe

## Coursework

Data Structures  
Algorithms  
Web Development  
DBMS  
OOP

## Projects

### AllTunedIn-Blog WebApp | Source Code

- Implemented the development of a Web App with a **Node.js, Express.js, and MongoDB** back-end, paired with a **React.js** front-end.
- Enabled users to **publish blogs** across **5** different categories and **display, update, and delete** any blog on a dedicated page.

### Mobile Ordering Webapp Clone | Source Code

- Engineered a Web App with a **Node.js, Express.js, and MongoDB** backend, seamlessly integrated with a **React.js** front-end, achieving a **Google Lighthouse desktop responsiveness** score of **98/100**.
- Designed an intuitive e-commerce platform with **mobile listings, details, and a seamless shopping cart** for efficient online shopping.

### MyGram - DBMS-based Social Media Website

- Designed & constructed a Web App with a back-end on **PHP, SQL & MySQL database** & front-end using **HTML, CSS & JavaScript**.
- Successfully executed various social media functionalities such as **post creation and connection building**.

### RecomMovie - Movie Recommendation System | Source Code

- Utilized **Python** to develop a Web App, employing **NLP techniques** and libraries like **NLTK and Sklearn** for the back-end. Implemented the front end using the **Streamlit** framework.
- Personalized movie recommendations using **content-based filtering** within a dataset containing around **5000** movies.

## Experience

### Research Intern

Whirlpool | VIT Pune, Pune, Maharashtra

Aug 2022 - June 2023

- Applied **cold plasma** technology with high voltage to activate the water, achieving up to a **3-log** reduction in bacteria and microorganisms.
- Teamed up with **14** members to develop and optimize plasma-activated water systems utilizing skills like **DFME and Embedded programming**.

## Achievements

### 2 STAR AT CODECHEF | HIGHEST Rating **1576**

- Global rank **200 / 24K+** in Starters 98(12 Jul 2023).
- Global rank **224 / 26K+** in Starters 61(19 Oct 2022).
- Global rank **682 / 19K+** in Starters 87(26 Apr 2023).

### 2.5 STAR AT LEETCODE | HIGHEST Rating **1667** | **Top 15.08%** users

- Global rank **1984 / 19K+** (Top 10%) in Weekly Contest -336.

**Smart India Hackathon 2022** - Ranked among the top **10 teams out of 84** registered in the Intra-college segment.