Shubham Patel

Portfolio | Github | LinkedIn | CodeChef

Email: shubhampatel28102001@gmail.com
Mobile: +91-886-6907-956

Education

- **School of Engineering and Applied Sciences, Ahmedabad University** — Gujarat, India
  Bachelor of Technology - Computer Science and Engineering; CGPA: 3.61/4 (9.03/10) — *July 2019 - Present*
  Courses: Object Oriented Programming, Database Management Systems, Data Structures and Algorithms, Operating Systems, Computer Organization and Architecture, Design and Analysis of Algorithms, Data Science, Digital Design, Probability and Stochastic Processes, Linear Algebra, Calculus, Discrete Mathematics.

Skills Summary

- **Languages**: Python, C++, JavaScript, SQL, JAVA, PHP, MatLab
- **Frameworks**: NodeJS, Scikit
- **Tools**: GIT, MongoDB, MySQL, VsCode, LaTex
- **Platforms**: Linux, Web, Windows
- **Soft Skills**: Leadership, Public Speaking, Time Management, Event Management, Writing

Work Experience

- **CariKture** - Web Developer Intern (Full-time) - (Remote) — May 2021 - July 2021
  - Worked with PHP, JavaScript, and MySQL to design and customize web applications.
  - Worked on the backend part of the template generator web application, which generates editable HTML elements which can be styled through CSS and Bootstrap through an interactive User Interface.
  - Customized diagrams.net to fit the organization's requirements to load the custom libraries by default on-load are not closable.

Projects

- **WeBlog** - A Blogging App (ReactJS, NodeJS, Express, MongoDB, CKEditor-5)
  - A social blogging application where users can share their views and read others' opinions regarding any topic.
  - The application supports login/signup, search blogs, like and comment, a rich text editor for writing blogs, and secure encryption of user credentials.
- **AIChE Chapter (Ahmedabad University) Website** (JavaScript, HTML5, CSS, BootStrap)
  - A website for the Chemical Society of Ahmedabad University.
  - Showcases achievements, yearly events, blogs, board members of the chapter.
- **Library Management System** (PHP, MySQL, HTML5, CSS)
  - Implemented using triggers and procedures in MySQL.
  - Interactive webpage made using PHP, HTML, CSS and Bootstrap for better user-friendly experience.
  - Suitable for school and college libraries.
- **Audio Compression using Linear Predictive Coding** (MatLab, MatLab GUI)
  - Implemented Linear Predictive Model of 6 and 12 order.
  - Able to reduce more than 1/10th of the original audio size.
  - Interactive GUI for better user-friendly experience.
  - Suitable for compression of all audio formats.
- **Image Compression using Power Method for Singular Value Decomposition** (Python)
  - Implemented Power Method for SVD without using inbuilt NumPy functions.
  - Able to achieve greater image compression based on the provided rank of singular matrix.
  - Suitable for compression of all image formats.

Achievements

- **Competitive Programming:** 3-star (1784) at CodeChef.
- **Academics:** Secured 99+PR (330 rank all-over Gujarat) in 12th Boards Science Stream Examination.

Extra Curricular

- Member of Programming Club at Ahmedabad University.
- Volunteered at **Prabhat Education Foundation** - a NGO which works towards educating and training diffrentable childrens.
- Secured 99+PR (330 rank all-over Gujarat) in 12th Boards Science Stream Examination.

Certifications

- **Python (Intermediate)** — HackerRank
- **Python (Basic)** — HackerRank