

# HET PATEL

## DIPLOMA IN COMPUTER ENGINEERING

[Email](#) | +91 9998590465 | [LinkedIn](#) | Nadiad - Gujarat

### FULL STACK DEVELOPER | SOFTWARE ENGINEER

**Highly motivated, results-driven, and hardworking** Computer Engineering student from GTU with proficiency in C, C++, Python, and PHP. Certified in C and C++ and experienced in user-centric web development. Passionate about merging theoretical knowledge with practical application and eager to contribute to transformative projects. Actively seeking Internship to leverage my skills and enthusiasm for the benefit of a company's mission. Technologically adept, possessing a positive attitude, and highly motivated to learn and adapt to new programs.

### EDUCATION

Secondary School by Gujarat State Board

May 2022

Diploma in Computer Engineering | Gujarat Technical University, Gujarat, India

Sept 2022 - Present

**Courses taken related to CE :** Basic Computer Programming, Fundamental of Computer, Basic Object-Oriented Programming, Static and Responsive Webpage Design, Python Programming Language, RDBMS, Basic Operating System, Data Structure and Algorithms.

### TECHNICAL SKILLS

- Proficient in programming languages including C, C++, and Python.
- Knowledge of web and media technologies including HTML, CSS, JavaScript, jQuery, PHP, and XML.
- Experienced with database and back-end development using MySQL.
- Proficient in operating systems including Linux, Windows, and macOS.

### PROFESSIONAL EXPERIENCE

**Web Developer Intern | Skynet Global Systems**

June 2023 - June 2023

- Gained hands-on experience in developing, debugging and Optimizing PHP applications.
- Managed data with relational databases like MySQL, integrating seamlessly with PHP applications

### ACADEMIC PROJECTS/ACTIVITIES

**Snake Game (C++)**

Sept 2023

- Designed and developed a unique computer snake game with a recursive search algorithm and improved its performance using object-oriented programming and multithreading. Also created a 2-dimensional grid for the game to be played on.
- Engineered a distinct version of the classic Snake Game with an emphasis on modern programming techniques.
- Integrated for enhanced gameplay, providing smoother player interactions and improved game dynamics.
- Leveraged OOP principles for modularity, reusability, and maintainability, enabling future scalability.
- Boosted game performance, ensuring lag-free gameplay with simultaneous tasks like snake movement and score tracking.
- Custom-designed for the game interface, offering players an intuitive and visually engaging environment.
- Undertook iterative testing to refine game dynamics, achieving faster response times and heightened user engagement.
- Prioritized intuitive controls and clear visuals to optimize player experience and satisfaction.

**Airline Project (HTML, CSS, JavaScript, PHP, AJAX, XML, MySQL)**

May 2023

- Developed and designed a comprehensive web solution for three airline companies, enhancing user interaction and functionality.
- Crafted five interactive pages encompassing flight information, booking, status updates, contact channels, and shopping cart features.
- Leveraged PHP and AJAX for efficient server-side operations, ensuring smooth user interactions.
- Implemented MySQL for robust data storage, ensuring quick retrieval and efficient management of flight and user information. storage.

**Academic Activities | Goldman Sachs Virtual Experience Program, India**

June 2023

- Conducted in-depth evaluations, proposing improvements to existing controls and policies within a fintech engineering environment.
- Introduced and implemented advanced password algorithms combined with salting techniques, amplifying security levels for user databases.
- Successfully migrated from a less secure hashing system to a more robust algorithm, enhancing data protection and reliability.

**Academic Activities | Cognizant Agile Methodology Virtual Experience Program, India**

June 2023

- Gained proficiency in both Waterfall and Agile methodologies, ensuring adaptability in diverse project settings.
- Developed an intricate understanding of constructing effective user stories and assigning appropriate roles to optimize team productivity.
- Acquired knowledge of various Agile ceremonies, enhancing collaboration with cross-functional teams for timely and quality deliverables.

### CERTIFICATIONS 2020

**C Programming Language**

May 2023

**C++ Programming Language**

May 2023

**Python Programming Language**

Sept 2023 - Present