

# VIREN PATEL

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## EDUCATION

**Master of Science in Computer Science**, Texas A&M University 2022 - 2024  
Relevant Coursework: Design and Analysis of Algorithms, Advanced Operating Systems, Database Management Systems, Distributed Systems, Advanced Software Engineering, Data Analytics, Machine Learning and Artificial Intelligence. GPA: 3.9

**Bachelor of Computer Engineering**, University of Mumbai 2017 - 2021  
Relevant Coursework: Object Oriented Programming using Java and CPP, Data structures, Cloud Computing, Human Computer Interaction and Theory of Computation. GPA: 3.6

## EXPERIENCE

**Software Developer** July 2024 - *Present*  
CityOf.com *Corpus Christi, TX*

- Managed full-stack development for CityOf.com's dynamic web application, utilizing Symfony, PHP, JavaScript frameworks, MySQL, and Docker, deployed on DigitalOcean servers.
- Designed, developed, and maintained multiple CityOf sites, focusing on scalable solutions and efficient database interactions with Doctrine.
- Contributed to Agile development, functional testing, code reviews, and knowledge sharing to enhance team productivity and software quality.

**Junior Software Developer** January 2023 - May 2024  
Texas A&M University *Corpus Christi, TX*

- Streamlined IT workflows (ITSM, CSM, SPM) in ServiceNow by automating tasks and building custom solutions with JavaScript and business rules. Increased self-service adoption by 25% and reduced ticket volume by developing and implementing user-friendly catalog items, client scripts, and dynamic forms.

**Software Development Engineer** August 2021 - July 2022  
Infosys *Pune, India*

- Developed scalable Java/Spring Boot apps using Agile. Optimized CRM queries by 20% by implementing more efficient database indexing and query structures resulting in faster response times. Collaborated with cross-functional teams for feature implementation, troubleshooting, and code reviews. Utilized Docker and Kubernetes for efficient application deployment and management.

## TECHNICAL SKILLS

<b>Programming Languages</b>	Java, C, C++, Python(Numpy, Pandas, Scipy, Seaborn, Matplotlib).
<b>Web Technologies</b>	HTML, CSS, Javascript, JQuery, nodejs, React.js, PHP, Symfony.
<b>Databases and Cloud Technologies</b>	MySQL, MongoDB, ElasticSearch, Redis, AWS, Docker, Kuberenetes.
<b>Operating Systems and Developer tools</b>	Linux, Git,VS code, Eclipse, Pycharm, Jupyter, Android Studio.
<b>Technologies</b>	Tableau, Microsoft PowerBI, ServiceNow, AEM.

## PROJECTS (MORE PROJECTS ON PORTFOLIO AND GITHUB)

**Distributed Chat Application:** Built a scalable and fault-tolerant distributed one-to-one and group chat application using Node.js, Redis, and HAProxy. Implemented load balancing and redundancy across multiple servers to ensure high availability and message delivery.

**Library Management System:** Developed a robust and scalable Library Management System using Java to manage library resources, user accounts, and book transactions.