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, GPA: 3.9
Database Management Systems, Distributed Systems, Advanced Software Engineering,
Data Analytics, Machine Learning and Artificial Intelligence.

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

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, Redis, Elastic Search 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

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

Weather Prediction: Analyzed weather data and predicted next-day temperature using various regression models and visualized data through matplotlib and seaborn. Achieved a 87% accuracy for the prediction.