

# Priyanka Patil

[ppatil1851@gmail.com](mailto:ppatil1851@gmail.com) | (682)-336-7197 | <https://www.linkedin.com/in/patilpriyanka982/> | <https://github.com/ppatil1851>

## EDUCATION

**University of Texas at Arlington, Texas**

**May 2023**

Masters in computer science

**University of Mumbai, Mumbai, India**

**May 2019**

Bachelors in information technology

## PROFESSIONAL EXPERIENCE

**Triencon Services, United States**

**Software Engineer Intern**

**Jan 2023 – May 2023**

- Developed components for React projects to display data fetched from API endpoints defined in .NET backend code on 3 use cases. Employed CORS to allow the React app to access the API and render data in the React component using JSX, and conditional rendering based on loading or error states.
- Analyzed application performance, identified issues, and increased efficiency by 40% through load testing and containerization technologies such as Docker for deploying and managing .Net applications.
- Configured and managed databases using Common Table Expression (CTE) such as SQL Server and collaborated with a team of three to ensure efficient application development.
- Optimized database performance through indexing, query optimization, and data normalization, resulting in improved application responsiveness and reduced data retrieval and manipulation time.

**Wipro Limited, India**

**Software Engineer**

**Nov 2019 – Aug 2021**

- Conducted data visualizations using Python on functions like Pandas, NumPy, Scikit-learn, and NLTK (Natural Language Toolkit) for 3 months in pre-training.
- Collaborated with ICICI bank project to process loan applications by checking the Unique Identification Authority of India, KYC method, and personal information fields, increasing efficiency by 50% compared to the older version.
- Developed Flask applications to create RESTful APIs, enabling seamless communication between frontend and backend systems with 4 team members and facilitating efficient data exchange and processing.
- Implemented user authentication and authorization mechanisms using Flask's built-in features or external libraries like Flask-Login and Flask-JWT, ensuring secure access and data protection for authenticated users.

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, Python, Django, HTML5, CSS3, NodeJS, ReactJS, Flask, JSON, Typescript, C#, XML, XSL, Java.

**Databases:** SQL, MySQL, MongoDB, SQLite, PHP, Oracle DB, SQL server management studio, SQLAlchemy.

**Cloud Technologies:** Microsoft Azure, AWS

**Version control:** GitHub.

**Functional Skills:** Web-Based Application Development, APIs, Software development life cycle, Sprint Planning, Teamwork & Collaboration, Agile Methodology, Unit-Testing, CI/CD Pipeline using Jenkins, Docker, SIEM platforms, Scripting language, OWASP, Code Review.

## PROJECTS

**Music Player Web Application**

**Sep 2022 – Dec 2022**

- Led a team of 3 members to develop a web application for admins to add users and songs to display on users' dashboards. Leveraged React and NodeJS for seamless connectivity with MongoDB and integrated secure Google login with a high API hit ratio of 0.944.
- Conceptualized Firebase to streamline storage and improve the performance of the React application, ensuring smooth data handling and enhancing the overall user experience.

GitHub Link: <https://github.com/ppatil1851/Music-Share-Application>

**Earthquake History Information Finder**

**May 2022 - Jun 2022**

- Designed a web interface to create, query, and modify earthquake data based on various criteria, utilizing SQL tables and a cloud service.
- Collaborated with Microsoft Azure to deploy the project, allowing for data import into SQL and providing a web interface for easier extraction of interesting information from a refined dataset of 30,000 rows.

GitHub Link: <https://github.com/ppatil1851/Earthquake-History-Information-Finderr>

**Daily Email Digest**

**Mar 2022 - May 2022**

- Created a Python-based GUI, using the Tk toolkit, to generate a daily email digest with content from 4 API sources, including weather forecasts, Twitter, and Wikipedia.
- Integrated a scheduler to refresh the API hits, generate HTML and TEXT files, and send the email digest to recipients at scheduled times.

GitHub Link: <https://github.com/ppatil1851/Daily-Email-Digest>