

Priyanka Patil

Masters in computer science

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

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C#, HTML5, CSS3, NodeJS, ReactJS, Flask, JSON, C, C++, XML, XSL, Java, Linux

Databases: SQL, MySQL, MongoDB, SQLite, PHP, Oracle DB, SQL Server, Microsoft Azure, AWS

Version control: Git (Github)

Functional Skills: Web-Based Application Development, APIs, Software development life cycle, Sprint Planning, Agile Methodology, OS Fundamentals, Networking concepts, Embedded Development, Testing, and Debugging

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 JIRA for managing applications in an agile environment
- Configured and managed databases using Common Table Expression (CTE) such as SQL Server and collaborated with cross functional teams to ensure efficient application development
- Operated database performance through indexing, query optimization, and data normalization, resulting in improved application responsiveness and reduced data retrieval and manipulation time

University of Texas at Arlington

Graduate Student Lead

Jan 2022 - Jan2023

- Led a team of 10 undergraduate and graduate students in configuring and customizing Alma to optimize library operations and user experience
- Provided exceptional user support by promptly addressing inquiries, resolving issues, and conducting informative training sessions for staff and patrons with a 95% average satisfaction rate

Wipro Limited, India

Software Engineer

Nov 2019 – Aug 2021

- Serviced data visualizations using Python on functions like Pandas, NumPy, Scikit-learn, and NLTK (Natural Language Toolkit) for 3 months in pre-training
- Analyzed data from multiple sources and implemented Enterprise Data Warehouse for our clients using Talend Studio. Performed data validation and cleaning, and staged the data from SQL Server and Salesforce to PostgreSQL by developing ETL pipelines for over 600 tables
- Designed and created standard ETL job templates in Talend for Change Data Capture (SCD) of staging, integration, and BI schema, reducing the job-building time by approximately 80%
- Devised data orchestration jobs enabling parallel execution, optimizing the data load time in Postgres SQL by 90%, deployed and scheduled the jobs in Talend Cloud (Talend Management Console)
- Spearheaded the establishment of architecture such as remote engine setup to enable automatic load scheduling using Talend Server. 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
- Streamlined 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

EDUCATION

University of Texas at Arlington, Texas (GPA: 3.72 / 4.00)

May 2023

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PROJECTS

Music Player Web Application

Sep 2022 – Dec 2022

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

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