KARTIK PATIL

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EDUCATION

Master of Science, Binghamton University, State University of New York   08/2022 – 05/2024
- Computer Science

Binghamton, NY, USA

TECHNICAL SKILLS

- **Languages:** Javascript, Typescript, Python, C++, SQL
- **Web Development:** HTML, CSS, Bootstrap, TailwindCSS, Spring, React, Redux, Node JS, Express, Webpack, JSON Frameworks, SOAP, REST.
- **Database / Networking:** MySQL, PostgreSQL, MongoDB
- **Tools:** Jenkins, Jira, Supabase, Firebase, Docker, Git, GitHub, Postman, Notion, VS Code

PROFESSIONAL EXPERIENCE

Associate Software Engineer, Accenture   02/2021 – 08/2022

Pune, India
- Implemented a robust web services and Micro-services architecture with Node Js, Kubernetes and Docker, to seamlessly integrate with third-party systems.
- Collaborated closely with a cross-functional development team to Enhance system scalability and reliability through the design and implementation of optimized server-side code, leading to a notable 30% boost in traffic capacity.
- Implemented secure authentication and authorization solutions, ensuring the protection of sensitive customer data and reducing the risk of security breaches
- Integrated the Salesforce CRM system with various third-party APIs, resulting in a 30% increase in lead conversion rates and a 20% increase in customer retention.
- Engineered app integrations with REST, SOAP, and various other APIs to facilitate fraud detection within the payment processing system resulting in a notable reduction of 20% in fraudulent accounts, significantly enhancing security.
- Developed 100+ unit and functional testing for the applications to ensure their reliability and functionality

PROJECTS

Video Narration 🔗   11/2023
- Employed OpenAI's GPT-4 Vision model API to analyze and comprehend the visual content within each frame.
- Utilized OpenAI's Text-to-Speech (TTS) model API to convert the generated script into a captivating narration.
- Employed Pygame for dynamic audio playback, enabling real-time preview of AI-generated audio.
- Combined the enhanced audio with the original video using MoviePy, resulting in a final output that brings together the visually stunning wildlife footage with an engaging AI-generated narration.

Notes app 🔗   08/2022
- Developed a notes app using React, JavaScript, HTML, and CSS.
- The app enables users to save and delete notes effortlessly.
- Offers seamless functionality for efficient note management.
- Ideal for keeping track of important information.

Task Tracker 🔗   04/2023
- Developed a task-tracking web app utilizing React, JavaScript, HTML, and CSS.
- Enables users to effortlessly save, delete, and edit tasks.
- The app is fully responsive, providing a seamless experience on both desktop and mobile devices.