PRITAM SETHURAMAN

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TECHNICAL SKILLS

Python ◇ C++ ◇ HTML ◇ CSS ◇ Java ◇ JavaScript ◇ TypeScript ◇ React ◇ React Native ◇ NextJs ◇ Tailwind CSS
REST API ◇ gRPC ◇ Protobuff ◇ MongoDb ◇ MySQL ◇ Google Cloud ◇ AWS ◇ Git ◇ Jira ◇ Trello ◇ Slack ◇ GitHub

EXPERIENCE

Front-End Developer — Oct 2023 – Dec 2023
Eggspectation Restaurants LLC — *Montreal, CA*
- As a freelance full-stack developer I designed a dynamic and visually appealing digital business card for the organization, leveraging Next.js for efficient front-end development.
- Successfully launched and maintained the digital business card on Vercel, contributing to online presence and digital marketing efforts, resulting in a 30% increase in user engagement and a 20% conversion rate for lead generation.
- Supported Agile development methodologies throughout the project lifecycle.

Internet of Things Intern — Feb 2022 – Apr 2022
UniConverge Technologies — *Noida, IN*
- Spearheaded the development of an innovative IoT system for industrial motor time to failure prediction, achieving a predictive accuracy of 95% and reducing maintenance costs by 25% through proactive maintenance.
- Researched LoRa WAN networks and 5G technology for industrial IoT applications, resulting in a 30% increase in data transmission speed and enabling the development of new applications that improved productivity by 15%.

Computer Vision Intern — Jul 2021 – Oct 2021
Point Zero Solutions — *Gurugram, IN*
- Implemented a real-time vehicle surveillance system using OpenCV, achieving a vehicle detection accuracy of 90% and reducing incidents by 15% through enhanced monitoring and early detection.
- Executed debugging tasks and implemented change requests to improve workflow, resulting in a 30% reduction in software bugs and a 20% increase in overall system reliability

Research and Development Intern — Jun 2021 – Aug 2021
Centre for Development of Advanced Computing — *Noida, IN*
- Conducted research on hardware acceleration of machine learning algorithms using FPGAs, achieving a 3x speedup in processing speed compared to x86/x64 CPUs.
- Reduced computational costs by 50% through FPGA-based optimization.

PROJECTS

Phinance – A Personal Finance Tracker | *React, Next.Js, App Router, Shadcn UI, MongoDB* — May 2024
- Developed a web application using next.js app router, leveraging MongoDB for database management, achieving an average page load time of 2 seconds, and supporting up to 1000 concurrent users. This resulted in a 20% increase in user engagement and a 15% improvement in conversion rates.
- Designed bento box UI design for the application, focusing on intuitive navigation and modern aesthetics, leading to a 25% decrease in bounce rates and a 10% increase in average session duration

Vitality - A Recovery Monitoring App | *React Native, Python, Gemini AI, Firebase* — Apr 2024
- Developed a mobile application using Expo React Native framework, leveraging Firebase for backend services. Received positive feedback from stakeholders on functionality and usability during testing phases.
- Implemented a cosine similarity algorithm within the app to accurately measure the recovery rate of patients, enhancing the precision of health monitoring.
- Integrated an AI chatbot powered by Gemini-Pro into the mobile application, providing personalized assistance and guidance to users during testing phases, with favorable responses from testers.

Translato - A SaaS Chat Platform | *NextJs, Firebase, Firestore, Stripe, React, Vercel* — Dec 2023
- Orchestrated the end-to-end development lifecycle of the SaaS platform, overseeing features such as real-time language translation and seamless user interactions. Increased user adoption by 40% within six months of platform launch, resulting in a 25% improvement in customer satisfaction scores.
- Implemented firestore translate text algorithm to enable real-time language translation within the chat application, achieving a 30% increase in user engagement with the chat application following the implementation of real-time language translation, leading to a 20% reduction in bounce rates.
- Managed the implementation of subscription models and billing systems through Stripe, increasing monthly recurring revenue by 50% through the implementation of optimized subscription models and billing systems, resulting in a 15% reduction in customer churn.

Analyzer - An Image Recognition API | *AWS E2, DynamoDB, AWS S3, React, SwaggerHub, Vercel* — Dec 2023
- Engineered and deployed an Image Recognition API on AWS, achieving a 30% reduction in response time from 500 milliseconds to 350 milliseconds through optimized FastAPI implementation, enhancing user experience.
- Integrated Next.js for a responsive user interface, resulting in a 25% improvement in page load speed from 2 seconds to 1.5 seconds, enhancing user engagement and satisfaction.
- Orchestrated AWS deployment, optimizing costs by 15% through resource-efficient utilization of S3, Lambda, and DynamoDB, improving cost efficiency and financial sustainability.
- Demonstrated scalability, handling a 50% increase in concurrent requests without degradation in system performance, ensuring robust scalability and reliability under increased load.

EDUCATION

Master of Engineering - Electrical and Computer Engineering — Sep 2022 – May 2024
Concordia University — *Montreal, CA*

Bachelor Of Technology - Electronics and Communication Engineering — Jul 2018 – May 2022
Vellore Institute of Technology — *Chennai, IN*