

Pranit Darekar

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SUMMARY

- Results-driven **Software Engineer** with **5 years** of experience in designing, developing, and deploying full-stack applications across healthcare, music, and ad-tech industries.
- Proven track record of leveraging **AI/ML**, and **data-driven** strategies to optimize operational efficiency, enhance user engagement, and ensure compliance with industry standards, contributing to measurable **business growth** and improved user experiences.

TECHNICAL SKILLS

Web Development, Mobile Application Development (Android SDK), HTML, CSS, Bootstrap, Amazon Web Services, Google Cloud Platform console, Kibana, Grafana, Scrum, JIRA, Linux, Relational Database, System Design

- **Programming Languages:** JavaScript, React, Flutter, PHP, Golang, NodeJS, Java, Python, TypeScript, C
- **Data Storage:** MySQL, Microsoft SQL, SQLite, Firebase, Redis, Apache Kafka, MongoDB
- **DevOps:** Jenkins, Docker, Kubernetes, Git (GitHub, GitLab), AWS, GCP, Akamai CDN
- **Tools:** VS Code, IntelliJ IDE, Android Studio, Postman API
- **Certifications:** Neural Networks & Deep Learning, AWS Cloud Foundations, ML & Data Science Bootcamp

WORK EXPERIENCE

SYNEREN TECHNOLOGIES

Vienna, VA

Software Engineer

April 2024 – Present

- **Developed** a mobile healthcare application to facilitate remote patient-doctor consultations and provide detailed clinical reports.
- Utilized **Flutter** and **Python** to create an intuitive user interface and backend functionality, enhancing patient care by making healthcare more accessible.
- **Automated** clinical report generation to streamline documentation processes. Integrated **AI** capabilities to analyze doctor-patient conversations, improving efficiency in healthcare delivery and reducing administrative burdens.
- **Designed** a secure backend for patient records to ensure compliance with **HIPAA** regulations. Implemented Firebase for robust data protection, prioritizing patient privacy and trust in the application.
- **Created** a notification system for appointment reminders and follow-ups to enhance patient engagement. Achieved a **20% increase** in patient interaction by keeping users informed and involved in their healthcare journey.
- **Collaborated** with cross-functional teams to gather user feedback and implement new features. Focused on continuous improvement to enhance user satisfaction and adapt to evolving healthcare needs.

AAYATS.AI

Atlanta, GA

Software Development Intern

January 2024 – April 2024

- **Developed** real-time **chat functionality** for a mobile app to connect music artists. Utilized **Socket.IO**, a **Flutter**-based frontend, and a **Node.js** backend with **MongoDB** to create a seamless communication experience, enhancing user engagement and collaboration within the music community.
- **Optimized** the **profile management system** to enable users to easily update their personal information and music portfolios. Implemented user-friendly features to improve accessibility and streamline the onboarding process, fostering a more personalized user experience.
- **Collaborated** with the design team to enhance the app's user interface, resulting in a **10% increase** in user retention. **Focused** on integrating user feedback to create a more intuitive and visually appealing design, ultimately driving greater user satisfaction.

GEORGE WASHINGTON UNIVERSITY

Washington, DC

Software Developer

February 2023 – April 2024

- **Enhanced** the **UI/UX** for classroom touch panels by developing HTML5 pages that executed the **Software Development Life Cycle (SDLC)** process. This initiative resulted in a **15% reduction** in customer support calls, improving user satisfaction and operational efficiency.

- **Led** project development to improve daily operational efficiency by **30%**. Created **PowerShell scripts** for task automation and configured cloud-based software to seamlessly integrate with devices, streamlining workflows and minimizing manual effort.
- Implemented **agile project management** practices through regular stand-up meetings, ensuring the timely completion of project goals. This approach fostered team collaboration and adaptability, contributing to successful project delivery.

MEDIA.NET

Software Engineer

Mumbai, India

July 2019 – July 2022

- **Boosted** company revenue by innovating **ad solutions** to enhance **click-through rates** (CTR). Leveraged skills in both **backend** and **frontend** development to create engaging ad experiences that drove user interaction.
- **Designed RESTful APIs** using **Golang** and **Node.js** to deliver ads in **JSON/XML** format tailored to request parameters. Employed **Redis** for data caching, achieving a **30% improvement** in response times and ensuring high scalability for ad delivery.
- **Enhanced** system reliability by implementing a health-check cron with alerts for microservices. This led to a **20% decline** in incidents and minimized downtime by enabling prompt debugging through **real-time dashboard monitoring**.
- **Managed** code reviews using the **Git** version control system to uphold code quality. **Streamlined** the code deployment process through a **Jenkins** continuous integration and continuous deployment (**CI/CD**) pipeline, ensuring efficient and reliable releases.
- **Reduced** resource costs by executing a timely migration from **Akamai** to **GCP architecture**, showcasing effective planning and strategic decision-making to optimize infrastructure.

PROJECTS

London Tube Expert System – CLIPS, Artificial Intelligence

- Developed an **AI-powered** expert system using CLIPS to enhance user experience and provide intelligent insights into the London transportation network. Engineered key features (route planning, real-time updates, etc.).

News Text Summarizer – CNN Daily Mail Dataset, Python, Machine Learning

- Built text summarization system using a **Seq2Seq** model with Recurrent Neural Networks, embedding an attention mechanism and encoder-decoder architecture. Improved accuracy by **35%** by **data processing** steps.

Budget Tracker Web App – TypeScript, React JS, Firebase, Frontend, IntelliJ Idea

- Designed an expense analysis app, featuring secure user login, bill management, categorical expense tracking, real-time data synchronization with Firebase, and reporting tools using **React.js** for efficient spending management.

EDUCATION

GEORGE WASHINGTON UNIVERSITY

Washington, DC

Master of Science in Computer Science (GPA: 3.77/4)

May 2024

- Data Structures and Algorithms, ML, AI, Distributed Systems, Object Oriented Design, System Architecture, DB Systems

UNIVERSITY OF MUMBAI

Mumbai, India

Bachelor of Engineering in Computer Engineering (CGPA: 7.62/10)

May 2019

- Operating Systems, OOPs, Computer Graphics, Image Processing, Cloud Computing, Big Data, Computer Networks