AKSHAT VEDANT

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OBJECTIVE

Experienced Full Stack Developer with 2 years of expertise in building high-performance, scalable applications using React, TypeScript, and JavaScript. Proven track record of improving user experiences, optimizing application performance, and driving measurable business outcomes.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, C++, HTML, CSS
- **Frameworks Libraries:** ReactJS, Redux, Node.js, Jest
- **Performance Monitoring Tools:** Mixpanel, Conviva, NewRelic, Firebase
- **Build Tools Platforms:** Git, Webpack, Firebase/Firestore
- **Development Methodologies:** Agile, CI/CD, Test-Driven Development (TDD)
- **Concepts:** Object-Oriented Programming, Algorithms, Data Structures, System Design

PROFESSIONAL EXPERIENCE

To The New *Bengaluru, IN*
Software Engineer Oct 2024 – Present

- Contributed to the development of **VideoReady**, an in-house framework for OTT platforms, providing flexible, reusable components that reduced development time by **30%**, minimized costs, and accelerated time-to-market.(VideoReady)
- Acted as a core contributor to **Astro Go (Malaysia)**, leading **front-end** and **back-end** optimization to enhance scalability and performance for millions of users.
- Reduced video startup time (VST) by **15%** and decreased app load time by **2 seconds**, optimizing user experience through advanced **performance profiling**.
- Collaborated with cross-functional teams to deliver **UX/UI** improvements and new features that enhanced user satisfaction by **20%**.

ZEE Entertainment Enterprises Limited *Bengaluru, IN*
Software Development Engineer - I Jul 2022 – Oct 2024

- Designed and implemented the ZEE5 WebApp for Smart TVs on platforms such as webOS and Tizen, reaching millions of users.
- Boosted LG store app ratings from **2.7 to 3.9** by incorporating user feedback and improving UX/UI designs.
- Implemented **App in App** feature for WebOS with **Deep linking** and **SSO**,increasing LG user viewership by **8%**
- Built the **'For You'** page, leveraging **GenAI** to deliver personalized recommendations, driving user engagement by **25%**.
- Reduced App-in-App crash rates by **40%** using Mixpanel and NewRelic for error monitoring and debugging.
- Improved code quality by increasing **TypeScript coverage by 18%** and unit test coverage by **15%**.

Associate Software Development Engineer Jan 2022 – Jul 2022

- Migrated legacy JavaScript code to TypeScript, reducing production error rates by **13%**.
- Delivered real-time concurrent viewership features for ILT20 matches on Chromecast devices, enhancing live sports streaming experiences.

PROJECTS

Gesture Detection using Accelerometer and Gyroscope

- Developed a machine learning model achieving **90%** accuracy in gesture recognition using TensorFlow Lite and Arduino.
- Enabled assistive gesture-based controls, improving accessibility for users with mobility challenges.

DhunAI *(Vite.js, TypeScript, SAAS)*

- Built a music generation and review web app with **Vite.js**, implementing **lazy loading** to achieve a **15%** faster load time.
- Streamlined the music review workflow, enhancing usability for artists and reviewers globally.

Netflix GPT

- Developed a **GPT-powered search functionality** integrated into a **Netflix-inspired UI**, enabling seamless and intuitive content discovery.
- Leveraged **OpenAI APIs** to deliver context-aware recommendations and search results, enhancing user engagement and satisfaction.
- Designed and implemented the front-end using modern frameworks, ensuring responsive performance and a polished user experience.

PUBLICATIONS

- Springer Link: DOI 10.1007/978-981-19-5482-5_9 Published research on gesture recognition models for real-time applications, highlighting advancements in accessibility and human-computer interaction.

EDUCATION

Bachelor of Technology, PES University, Bengaluru   2018 – 2022
Major: Computer Science and Engineering
Capstone Project: Designed a real-time data analytics system, improving data processing speed by **20%**.
Relevant Coursework: Object-Oriented Programming, Databases, Machine Learning, Data Mining, System Design.