Akash Ranjan

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Summary

Highly experienced Front-End Developer proficient in **React JS, JavaScript, CSS, and SCSS**, with a strong focus on problem-solving and ownership. **Leveraging AI assistants (Copilot/Gemini) for 5+ months** to boost productivity and code quality. Specializing in responsive UI components for **high-volume Telecom E-commerce, OTT, and Product Web Applications**. Adept at leveraging component-based architecture to optimize functionality and ensure cross-browser compatibility.

Experience

Engr II-Software Development • Verizon(VDSI)   **Oct 2024 - Present**

- **Led the development of high-quality, responsive E-commerce UI** for major prepaid Telecom brands, including **Straight Talk, Total Wireless, and Tracfone**, utilizing **React.js, CSS, and JavaScript** to enhance user engagement and drive mobile/plan sales.
- **Significantly boosted site performance metrics** by leveraging analytical tools like **Google PageSpeed Insights, CrUX, and Lighthouse** to identify and resolve exact pain points, resulting in measurable improvements in loading speed and responsiveness.
- **Accelerated development velocity** by utilizing **GitHub Copilot** for efficient boilerplate code generation and integrated debugging, and applied **Prompt Engineering** techniques with **Gemini** for rapid technical research, boosting overall team productivity.
- Spearheaded the development of the **AI Pathfinder** application, a **Digital Knowledge Assistance Bot** that traverses Jira, Confluence, and Google Docs to provide summarized outputs, streamlining the learning curve for new developers and reducing KT investment.
- Analyzed production defects and user journeys using session recording tools **Glassbox and Quantum Metrics**, directly translating insights into real-time bug fixes for both UI and feature implementations across the multi-brand platform.
- Handled a complex multi-brand code structure, optimizing code reusability and maintainability for improved efficiency and scalability, while using **GitLab (MCP server)** for tracking, reviewing, and managing all **MR/PR** deployments directly through VS Code.
- Gained exposure to **Adobe Experience Manager (AEM)**, enhancing knowledge of content management and how it integrates with digital experience platforms.

Engineer • L&T Technology Services   **Sep 2021 - Oct 2024**

- Developed and fine-tuned cutting-edge OTT applications through the utilization of React JS, CSS, JavaScript, HTML, and SCSS, yielding heightened user satisfaction and increased customer engagement.
- Cultivated a collaborative and cohesive work environment by actively engaging with colleagues,resulting in the successful delivery of top-notch software solutions.
- Assumed a leadership position by proactively training and mentoring new team members on the coding framework, ensuring their swift assimilation into the team and comprehensive understanding of the concepts.
- Proficiently utilized Git for streamlined management of Source Code.
- Gained comprehensive knowledge and expertise in the field of OTT and TVs.
- Worked on bug fixes.

Intern • L&T Technology Services   **May 2021 - Sep 2021**
- Gained a comprehensive understanding of Over-The-Top (OTT) technology and its applications.
- Successfully developed a basic OTT application on Roku, showcasing practical knowledge and skills
- Acquired a thorough understanding of Software Development Life Cycle (SDLC) and its key stages.
- Demonstrated proficiency in utilizing Git for version control and collaboration in software development projects.
- Exhibited knowledge and adherence to coding standards, ensuring high-quality and maintainable code.

Education

Bachelor of Engineering - BE • Chandigarh University, Gharuan (Punjab)   **Aug 2017 - Jul 2021**
- Degree: Bachelor of Engineering (B.E)
- University: Chandigarh University
- CGPA: 7.66
- Major: Computer Science and Engineering (CSE)

Intermediate • Vidya Vihar Residential School, Parora (Bihar)   **2014 - 2016**
- Subjects: PCM
- Board: CBSE
- Percentage: 78.2%

Matric • Vidya Vihar Residential School, Parora (Bihar)   **2014**
- Board: CBSE
- CGPA: 9.4

Projects

Tracfone BAU (Heritage brands for prepaid market)   **Oct 2024 - Present**
Verizon

- **Engineered** responsive, component-based **UI architecture** for major prepaid brands (Straight Talk, Total Wireless, and Tracfone) utilizing **React.js, CSS/SCSS, and JavaScript** to optimize the e-commerce purchase funnel.
- **Implemented and validated** complex state management logic and asynchronous data fetching for new feature rollouts, ensuring data consistency across the multi-brand platform.
- **Debugged and resolved** production defects and real-time performance regressions, leveraging advanced browser developer tools and session recording utilities for precise root-cause identification.
- Managed and contributed to a **monorepo-style, multi-brand codebase**, focusing on abstracting UI components to maximize reusability and maintainability, directly contributing to development efficiency.
- Acquired practical knowledge of **Adobe Experience Manager (AEM)** integration patterns for decoupled content delivery within the front-end application layer.

AI Pathfinder: Digital Knowledge Assistance Bot (Innovation Focus)   **Oct 2025 - Present**

Verizon

- **Architected and delivered** a functional **Digital Knowledge Assistance Bot** that operates as an internal knowledge retrieval system (AI Pathfinder) to automate the onboarding process for new hires.
- **Innovation Highlight:** The entire application stack was developed with **zero traditional code written**, utilizing advanced **Prompt Engineering** techniques and integrated **GitHub Copilot** features for generating all necessary boilerplate, logic, and glue code.
- The system performs sophisticated data traversal and aggregation across structured and unstructured data sources (**Jira, Confluence, Google Docs**) to synthesize and summarize information for developer queries.
- This project demonstrates expertise in leveraging **integrated AI tools for end-to-end application delivery**, proving capability in maximizing development speed and achieving hyper-efficiency.

Media Experience Platform Application Development   **June 2024 - Oct 2024**

L&T Technology Services

- Developed and implemented an internal OTT project utilizing Next.js, Typescript, tailwind, zustand, and Norigin Spatial navigation
- Created a lightweight and multi-device compatible application supporting phone, tab, desktop, and smart TV
- Enabled support for multiple clients using a single source code
- Implemented on-the-fly UI modification by utilizing API responses
- Took ownership of project development from scratch, including folder structure and architecture design
- Followed agile model of development

OTT Application   **Dec 2021 - May 2024**

L&T Technology Services (Client **Synamedia, Astro, Etisalat, Sting+ by Yes**)

- Developed a client-based OTT application for smart TV platforms (Samsung and LG)
- Utilized React and CSS to create an interactive and user-friendly interface.
- Implemented a component-based model to ensure scalability and maintainability of the application.
- Utilized Git for efficient source code management and collaboration with team members.
- Successfully fixed bugs and resolved issues to improve overall application performance and user experience.
- Followed agile model of development
- Learned basics of players such as dash, hls and Shaka.

Period Tracker (Personal)   **Dec 2023 - Present**

- Developed a project in its initial stage to calculate the next three estimated period dates.
- Planned Future Scope
  - To enhance the user interface and make it more intuitive.
  - Implement a calendar feature for easy visualization of dates.
  - Incorporate calculation of the ovulation period into the project
  - Implement a notification system to alert users about their upcoming period for mental preparedness and arrangement of products related to the menstrual cycle.

Personal Portfolio Website (Personal)   **Oct 2023 - Dec 2023**

- Created a responsive portfolio website with a dynamic design using components for enhanced user experience.
- Implemented the use of JSON to make the website dynamic and interactive.
- Demonstrated a strong passion for web development through the creation of a visually appealing and functional website.
- Showcased an ability to adapt to different design requirements by incorporating responsive design principles.
- Followed agile model of development

QR Code Generator (Personal)   **Sep 2023 - Sep 2023**

- Solely developed a QR Code Generator in React JS, allowing users to generate and customize QRcodes.
- Utilized a component-based architecture to ensure modularity and enhance UI design.
- Demonstrated proficient skills in front-end development through the implementation of the project.
- Enabled users to create and personalize QR codes efficiently and effectively.
- Showcased adeptness in UI design by creating a user-friendly interface for the QR Code Generator.

Messenger Application   **Jul 2020 - Dec 2020**

Chandigarh University, Gharuan

- Designed a powerful component-based architecture for seamless user experience.
- Utilized Firebase backend to deliver dynamic and real-time messaging functionality.
- Created a project that showcases passion for developing efficient and innovative solutions.
- Implemented features that enhance user engagement and interaction through messaging capability.

CERTIFICATIONS and AWARDS

- React (Basic) by Hacker Rank
- Problem Solving (Basics) by Hacker Rank
- Python (Basic) by Hacker Rank
- Fundamental Linux Administration by Cybrary
- TPP Top performer in Soft Skills by Chandigarh University, 2020
- Huawei ICT Round 1 Networking Examination
- President Award in Scout & Guide, 2014
- Governor Award in Scout & Guide, 2011

Skills

- **AI Productivity & Prompting:** GitHub Copilot, Gemini (Research/Debugging), Prompt Engineering, AI-Augmented Development.
- **Frontend Core:** ReactJS, NextJS, TypeScript, JavaScript (ES6+), HTML5, CSS3, JS Players(HLS, SHaka).
- **Styling & Frameworks:** Sass (SCSS), TailWind CSS, Bootstrap 5, Styled Components.
- **DevOps & Tools:** Git, GitHub, GitLab (MR/PR Review, MCP Server), VS Code.
- **Analytics & Debugging:** Glassbox, Quantum Metrics, Google PageSpeed Insights, Lighthouse..