Utkarsh Bansal

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Work Experience

Hiver — *Customer service solution built for Google Workspace* Bengaluru, Karnataka
Software Developer Engineer November 2022 – Present

- **Developed** a reusable component library, integrating third-party libraries to enhance user experience, resulting in a **20% boost in user satisfaction** as indicated by feedback surveys.
- **Led** the migration from Enzyme to React Testing Library, increasing test coverage by **76%**, significantly improving product stability and reliability for the company's flagship product.
- **Spearheaded** product-led growth initiatives by implementing dynamic data solutions, leading to a **50% increase** in feature adoption and user engagement.
- **Recognized** for innovative thinking by winning first prize at a company hackathon, where I presented a future improvement plan for a key product feature.
- **Created** a development direction guide that improved frontend development speed, achieving a **30% increase** in completion cycles and pull request finish rates.

Stryker — *Global leader in medical technology* Gurugram, Haryana
Software Engineer Intern January 2022 – July 2022

- **Designed** an advanced automation tool using Python, streamlining testing processes and achieving an **80% reduction in manual intervention** while doubling testing speed.
- **Collaborated** with cross-functional teams to integrate a self-healing framework, resulting in a **50% decrease in bug resolution time** and enhancing system stability.

Key Project

Self-Healing XPATH Automation

- **Developed** an automated self-healing XPATH generation system using JavaScript to efficiently handle dynamic HTML/XML elements, significantly enhancing web scraping precision and reducing manual intervention by **60%**.
- **Implemented** advanced element selection strategies, including utilizing attributes, child-parent relationships, and coordinates for accurate node identification, resulting in a **40% increase** in accuracy for dynamic pages.
- **Reduced maintenance overhead** by optimizing XPATH queries to exclude volatile data and using self- healing mechanisms to adapt to changes, ensuring sustainable automation in evolving web environments, allowing teams to focus on higher-value tasks and improving overall development efficiency.

Education

Vellore Institute of Technology, Vellore Tamil Nadu,India
B. Tech in Computer Science Engineering May 2022

Skills & Interests

Technical: Javascript, TypeScript, Python, React, HTML, CSS, React Testing Library, Micro Frontend, Web Performance, Testing, Analysis, Technical Spec Docs
Language: English (Fluent), Hindi (Native)
Interests: Passionate about photography and reading books and articles.