Harshita Jaiswal

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EDUCATION

Portland State University | Master of Science, Computer Science | **GPA – 3.98/4** *March 2024*
PES University, India | Bachelor of Engineering, Computer Science | **GPA – 3.3/4** *June 2017*

SKILLS

Language: JavaScript, TypeScript, Python, C, MySQL, PostgreSQL

Technology: AWS S3, Google Console, Kubernetes, Hadoop, Docker, Jenkins, Nginx, Jira, Git, Bitbucket, Postman, Microservices, Jupyter, Pandas, NumPy, Socket.io

Web Technologies: HTML5, CSS3, Redux, Vuex, React, Vue, Node, Express, Fastify, Restful API, GraphQL, Bootstrap, Ant Design, Material UI, tailwind, LESS/SCSS, Jest, WebGL, React Testing Library, Grunt, Gulp, Webpack, Cypress

EXPERIENCE

UpGrad, Bengaluru, India *Senior Software Engineer* *Dec 2019 – Nov 2022*
- **Web Performance & Optimization**: Elevated Lighthouse scores for upgrad.com by an impressive 300% on desktop and mobile through strategic performance optimization initiatives.
- **Efficiency-Driven Deployment**: Automated course page launches, reducing deployment time from 8 months to just 1 month.
- **Cross-Platform Integration**: Extended web pages for seamless rendering within upGrad's Android and iOS mobile apps, and building the underlying communication.
- **Frontend Leadership & Efficiency Boost**: Led the frontend team in unifying user authentication on accounts.upgrad.com, boosting development efficiency by 40% with a shared library of authentication logic components.
- **Program Page Revamp & Marketing Impact**: Overhauled 200+ pages on the marketing website, significantly improving upGrad's Visitors to Lead ratio through Nuxt.js based program page revamps.
- **Internationalization[Nuxt, Amazon CloudFront, and Lambda]**: Scaled the platform for multiple countries and regions with fallback mechanisms, optimizing CMS and infrastructure.
- **Marketing Platform Ownership**: Owned and enhanced upGrad's marketing platform built in Nuxt.js, implementing dynamic form rendering, optimizing page load speed, and building UI components. Proficiently managed AWS services CloudFront, Lambda, and S3 ensuring a robust and efficient infrastructure.
- **Quality Assurance & Code Reviews**: Conducted impactful peer code reviews, resulting in a 20% improvement in overall code quality and skill development within the team.

Cyware, Bengaluru, India *Software Engineer* *Aug 2018 – Nov 2019*
- Orchestrated refactoring and rewriting of a pivotal Angular product, skillfully leading its seamless transition to Vue.js.
- Significantly contributed to the development and resolution of major bug fixes in the mobile app using Flutter, resulting in a 30% decrease in reported issues.
- Led the overhaul of a product's user interface using Nuxt.js, resulting in improved user experience and engagement of Cyware Social.
- Honed multi-framework expertise

SenZopt Technologies Private Limited, Bengaluru, India *Software Engineer* *July 2017 – July 2018*
- Coordinated the development of 40+ UI elements in React.js, coupled with backend integration in Node.js, resulting in a 25% improvement in system responsiveness.
- Executed the integration of IoT data in real-time using Socket.io, leading to dynamic visualization of SVG-based floor maps for enhanced user insights.

ACADEMIC PROJECTS

Book Recommendation System (GitHub): Implemented a popularity-based recommendation engine that includes books with ratings of more than 200 and recommends books with 90% similarity. Boosted the accuracy of the recommendation engine with content evaluation, same authors, publishers, and year of publication with cosine similarity, which resulted in 95% accurate results.

StoreOfExperience (GitHub): An application to store life experiences in one place. Built using web technologies including microservice to authenticate users written in Python and Flask.

Paper-to-Podcast (Colab)**:** Designed to generate a detailed summary of the research paper and convert it to a podcast (audio mp3 file). The primary objective is to condense and convey the essential information found on each page, producing a comprehensive and detailed summary.