Harshiv Patel

pharshiv10@gmail.com | +1 (263) 388-1257 | Pickering, ON | LinkedIn | GitHub | Portfolio

SUMMARY

Software Engineer with experience building scalable architectures and designing modular UI components using TypeScript, React.js, and Python. Developed RESTful APIs and integrated third-party services to enhance application functionality. Skilled in delivering user-friendly software solutions and staying updated with industry trends. Known for troubleshooting technical issues and boosting user engagement through innovative solutions.

CORE COMPETENCIES

Code Quality & Reliability | Machine Learning | Unit Testing & Bug Reduction | Agile Methodologies | Web App Development | UX/UI Design | Microservices Architecture | Data Visualization | Performance Optimization | Technical Documentation

TECHNICAL SKILLS

Languages: **JavaScript**, **Python**, **Typescript**, C#, C++, Java
Technologies: **React.js, Node.js**, **SQL**, Express.js, **HTML**, **CSS**, Chakra-UI, **Material-UI**, Bootstrap, Mongoose, **Django**, Redux, Next.js, AWS, **Docker**, Heroku
Database: **MySQL**, NoSQL, **MongoDB**, Firebase, PostgreSQL
Tools: **Git**, GitHub, **Linux**, VSCode, Postman, **Jira**, **Agile methodologies**, **Scrum**, CI/CD

EDUCATION

M.Sc. Computer Science | Lakehead University, Thunder Bay, Ontario (**CGPA: 3.56**)	Sep 2022 – Sep 2024
B.Tech. Information & Communication Technology | Ahmedabad University, Gujarat, India (**CGPA: 3.34**)	Jul 2017 – May 2021

EXPERIENCE

Software Developer Intern | Ceridian – North York, ON | May 2023 – Dec 2023

- **Achieved zero failed tests out of 20+**, maintaining code quality and application reliability by conducting code reviews, debugging, and troubleshooting via **automated testing by Selenium and C#**.
- Leveraged machine learning, technical documentation, and **data analysis skills in Python** to develop the Smart Copy Week feature for employee schedules.
- Attained over 80% code coverage across multiple backend modules & reduced bug rates by creating extensive **unit tests in JavaScript**.

Software Engineer | Curl Tech – Bangalore, India | Apr 2022 – Dec 2022

- Extracted essential information from the digitized documents using an Intelligent Data Extraction platform, Sara CF.
- Boosted product performance and user satisfaction by crafting a scalable, responsive UI and implementing features aligned with client requirements using **React.js, Chakra-UI, and Typescript**.
- Delivered full-cycle development of web and single-page applications from initial design to final deployment.

R&D Engineer | Stratosfy – Ahmedabad, India| Jul 2021 – May 2022

- Streamlined client management by optimizing and debugging the company's internal product, improving device, user, and business management capabilities through developing and maintaining scalable **REST APIs** with **Node.js and Docker**.
- Corroborated stability and functionality of front-end components utilizing **React.js and Material-UI** under Scrum Master guidance, adhering to agile methodologies.

Web Developer Intern | Klaasx – Kolkata, India | Jan 2021 – Jun 2021

- Increased client interest and enhanced internal communication by developing a timer-based quiz and a chat application for tutors and students.
- Revamped data visualization for multiple learning institutes by integrating attendance and grade features with **Django and d3.js** on the analytics platform.
- **Minimized loading time from 8 seconds to 3 seconds** by developing landing pages for an Ed-tech platform using **React.js**.

KEY PROJECTS

- **Booxchange:** Developed a MERN stack web app for renting and lending learning resources using Agile principles.
- **Unified Club Portal:** Created a MERN stack platform for clubs to interact with students, winning 2nd prize at WMC 2.0 Hackathon.
- **Gaze Following:** Built a SaaS pipeline for identifying gazed objects in images, utilizing ML models and AWS EC2.
- **Process Scheduling Simulator:** Implemented scheduling algorithms with visualizations using Java for process execution simulation.

CERTIFICATIONS

Applied Machine Learning (Link)| **Python for Everybody Specialization** (Link)| University of Michigan – Coursera	2020
HTML, CSS, & JavaScript (Link) | **Data Scientist's Toolbox** (Link) | Johns Hopkins University – Coursera	2020
Neural Networks & Deep Learning (Link) | DeepLearning.AI – Coursera	2020
Data Scientist & Machine Learning Track with Python (Link)| DataCamp	2019