

SHUBHAM PRAJAPATI

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Summary

Results-driven Full Stack Developer & QA Engineer with 1+ year of experience in web development and test automation. Proficient in Python, JavaScript, React, and DevOps, with expertise in Agile methodologies. Passionate about AI/ML, cloud technologies, and optimizing system performance.

Key Skills & Expertise

- **Full-Stack Development:** Expertise in JavaScript, HTML5, CSS, and React.js for front-end development. Proficient in Python, Java, with Flask, Django, and Node.js for back-end. Experienced with SQL, NoSQL databases.
- **Cross-functional Collaboration:** Strong ability to work with development, product management, and business teams to align project goals.
- **Analytical & Problem Solving:** Strong troubleshooting and debugging abilities, allowing for swift identification and resolution of software issues, improving overall system performance.
- **Agile Methodologies:** Experienced in Scrum & Kanban frameworks for rapid iteration.
- **DevOps Practices:** Understanding of DevOps culture and tools, contributing to seamless CI/CD pipeline implementation.

Technical Skills Summary

Programming Languages: Python, Java, C++, JavaScript, R

Web Technologies: HTML5, CSS, JSON, REST APIs

Frameworks & Libraries: Node.js, React.js, jQuery, Flask, Django

Databases: SQL (MySQL, PostgreSQL), NoSQL (MongoDB)

Cloud Platforms: Google Cloud, AWS

Collaboration Tools: Trello, GitHub

Data Science & AI: Machine Learning, Natural Language Processing (NLP), Deep Learning, Neural Networks

Testing Tools: Selenium, Postman

Development Tools (IDEs): VS Code, PyCharm, Eclipse, Jupyter Notebook

Additional Skills: Object-Oriented Programming (OOP), DSA, Unix

Professional Experience

Web Developer Intern, CyberSec Infotech, India

Dec 2021 - July 2022

- Developed and tested web applications using **CSS, HTML, and JavaScript**, improving department efficiency.
- Built **responsive and user-friendly web applications** using React, enhancing user experience and engagement.
- Optimized front-end performance, improving page load speed by 20%.
- Implemented **MongoDB** for secure and efficient database management.
- Used **Git for version control**, enabling seamless collaboration and project management.

Projects

Ecommerce Web Application - Django Vadodara, India

Dec 2022 - Mar 2023

- Developed an ecommerce web application with a robust admin dashboard for seamless product and order management.
- Implemented user authentication and integrated PayPal API for secure payment processing.
- Enhanced administrative efficiency and customer satisfaction through streamlined processes.
- Utilized Django framework, database management, and agile methodologies.

Price Prediction Using Machine Learning, Conestoga College, ON

Jan 2024 - Apr 2024

- Collaborated to design an intuitive frontend using HTML, CSS, and JavaScript, enhancing user interaction.
- Developed a machine learning model to provide accurate price predictions for various products, aiding user decision-making. Integrated Python libraries like NumPy, Keras, and sci-kit-learn for regression analysis.
- Conducted detailed testing to detect and fix bugs, greatly enhancing system reliability.
- Strengthened teamwork, problem-solving, and project management skills throughout the project.
- Improved accuracy by 15% through data preprocessing and model tuning.

Employee Management Portal, Vadodara, India

Jan 2022 - May 2022

- Developed an Employee Management Portal using Node.js for efficient CRUD operations.
- Implemented RESTful API architecture for seamless connectivity and integrated MongoDB for robust data storage.
- Utilized AWS IAM, EC2, and S3 for secure user authentication and scalable cloud hosting.
- Enhanced the system's efficiency and scalability, ensuring reliable performance.

Automation Scripts – Tinder & LinkedIn – Python & Selenium

September 2024 - Oct 2024

- Developed automation scripts to streamline tasks on Tinder and LinkedIn using Python & Selenium.
- Automated Tinder swiping based on custom filtering logic to optimize matches.
- Built a LinkedIn job application bot to apply for jobs automatically based on user-defined criteria.
- Increased efficiency by reducing manual effort in repetitive online tasks.

Real-Time ETL Pipeline with Spark Streaming, Conestoga College, ON

Nov 2024 - Dec 2024

- Designed and implemented a real-time ETL pipeline using Apache Kafka, Spark Streaming, and Hive for processing live news articles.
- Developed a Kafka producer to fetch articles from NewsAPI and stream them into a Kafka topic.
- Built a Spark Streaming pipeline to process Kafka streams, structure data, and store it as JSON.
- Optimized data storage using Hive and Parquet format for efficient querying and analysis.
- Performed real-time analytics on live data, including author-based article counts, and trend analysis using SQL queries in Hive.
- Ensured fault tolerance and scalability with checkpointing and structured streaming.

Education & Professional Development**Postgraduate Certificate in Big Data Solution Architecture**

Conestoga College, Kitchener, ON

May 2024 - Dec 2024

Postgraduate Certificate in Applied Artificial Intelligence & Machine Learning

Conestoga College, Waterloo, ON

September 2023 - April 2024

Bachelor of Computer Science & Engineering

Gujarat Technological University, India

July 2017 - May 2021

Extracurricular Activity**Creator & Host, TYSON Music** (YouTube Channel)

I am the creator and host of TYSON Music, a YouTube channel with 170K+ subscribers, focused on music and DJ performances, tutorials, and discussions. I collaborate with international clients on music production, consultation, and partnerships, while monetizing the channel through ads, sponsorships, and affiliate marketing. This role has honed my skills in content strategy, audience engagement, and cross-cultural communication.