
SUMMARY

- Over **4 years** of experience as a Software Engineer with **Python** in designing, developing, and testing web applications in **E-Commerce, and Education Domains**.
- Proficient in **JavaScript, React.js** and **Node.js**, with a focus on building reusable components and integrating with **SQL** databases.
- Demonstrated expertise in **Test/QA** methodologies, including creating and executing test plans, developing automated test scripts using frameworks such as Selenium, and conducting API testing with **Postman and Selenium**.
- Extensive experience in continuous integration and continuous deployment (CI/CD) using **AWS**, along version control systems like Git.
- Proficient in developing, debugging, and deploying software on both **Windows** and **Linux** environments and experience in version control system like Git.
- Strong understanding of different phases of **Software Development Life Cycle for Agile** and **Waterfall methodologies**.

PROFESSIONAL EXPERIENCES

Software Engineer, CloudData Technology LLC

July 2024 – Present

Client: Amazon (Python, Django, React, PostgreSQL, HTML, CSS, Javascript)

Remote

- Developed frontend features using React and JavaScript, improving Amazon's product catalog user experience and increasing search performance by 25%.
- Developed and integrated Python scripts to automate backend processes, streamlining workflows in digital advertising, product launches, and supply chain, reducing operational time by 40%.
- Built and integrated RESTful APIs using Django and AWS Lambda, reducing API response times by 15% while ensuring communication with backend services.
- Optimized PostgreSQL queries to support dynamic data retrieval for product pricing, reducing query execution time by 20%.
- Utilized Python for data cleaning and analysis, and supply chain to extract actionable insights, resulting in a 20% improvement in campaign effectiveness.
- Collaborated in a global, cross-functional team, including product managers, backend engineers, QA and Jira task tracking, to deliver scalable and customer-focused solutions for large-scale platforms.

Software Engineer, The State University of New York

Oct 2023 – Jun 2024

SUNY Web Application (Python, Django, SQL, AWS, React, Postman, Selenium, Git, Docker, Jenkins, Jira)

New York, NY

- Developed and maintained secure payment system interfaces using Python, Django, REST APIs, and Elasticsearch, increasing transaction success rates by 25%.
- Utilized Postman for API testing and automation, creating test suites to ensure integration of RESTful services, reducing API-related issues by 30%.
- Maintained and enhanced test automation frameworks using Selenium and Python, enabling scalable and reusable test cases for web interface automation.
- Developed React components with state management using Redux, optimized the rendering process, which resulted in a 20% increase in application efficiency.
- Implemented dynamic form validation and real-time feedback features in React, improving user engagement by 35%.
- Deployed and maintained containerized test environments using Docker and AWS services (ECS, Lambda, S3), improving scalability and reducing test infrastructure setup times by 40%.
- Developed and maintained CI/CD pipelines using Jenkins and AWS CodePipeline, automating the build, test, and deployment processes.
- Collaborated within cross-functional teams using Jira following Agile Scrum methodologies, contributing to test strategy development, sprint planning, and continuous improvement of DevOps practices.

Data Science Assistant, The Research Foundation of SUNY Polytechnic Institute

Sep 2021 - Dec 2022

Retina Blood Flow Team (Python, Machine Learning, PostgreSQL, Flask)

Utica, NY

- Developed a data analysis platform using Python and PostgreSQL, enabling the early detection of retinal diseases and improving diagnostic accuracy by 30%.
- Utilized SQL for querying and managing data, ensuring efficient data extraction and manipulation, reducing data processing time by 20%.
- Created SSIS packages to automate data integration and transformation processes, optimizing data workflows and improving efficiency by 25%.
- Applied machine learning models using Support Vector Machines (SVM) and deep learning, achieving a 92% accuracy in identifying blood flow abnormalities.
- Conducted exploratory data analysis (EDA) using Python libraries such as NumPy and Pandas, resulting in a 15% improvement in model accuracy.
- Implemented data visualizations using Matplotlib and Seaborn and explored opportunities to utilize Power BI

Founder, Chitchat AI

July 2019 – Dec 2020

Chatbot Development Platform (Python, TensorFlow, Scikit-learn, spaCy, NLTK, Flask, Machine Learning, Node.js, React)

Gujarat, India

- Spearheaded the development of an AI-based chatbot platform using Python, numpy, pandas, TensorFlow, and scikit-learn, providing businesses with advanced conversational AI solutions.
- Integrated state-of-the-art Natural Language Processing (NLP) libraries like spaCy and NLTK, enhancing the chatbot's ability to understand.
- Leveraged NumPy for efficient numerical operations and matrix transformations, optimizing the performance used in the chatbot platform.
- Utilized Pandas for data manipulation and preprocessing, structuring large datasets of user interactions to enhance the accuracy of NLP
- Built a user-friendly interface using Flask, allowing users to design and deploy customized chatbots tailored, reducing deployment time by 40%.
- Implemented machine learning models to capabilities, resulting in a 30% increase in the accuracy of intent recognition and response quality over 6 months.
- Helped clients reduce customer support costs by up to 35% by automating routine customer queries and enhancing self-service capabilities.

EDUCATION

State University of New York Polytechnic Institute, Utica, New York

Aug 2021 - May 2023

Master of Science (M.S.) in Computer and Information Science (Major: Machine Learning)

Gujarat Technological University, Gujarat, India

Aug 2017 - May 2021

Bachelor of Engineering (B.E.) in Information Technology

SKILLS

- **Programming** : **Python, Java**, HTML5, CSS3, JavaScript
- **Technologies** : **React**, NodeJS, ExpressJS, **RESTful** APIs,, Docker, Flask, Tensorflow, Keras
- **Tools and Libraries** : Visual Studio, Jupyter notebook, KNIME, **Git**, **MySQL**, NoSQL, Jenkins, Tableau, Jira
Eclipse, Scikit-learn, Numpy, Scipy, Matplotlib, Keras, Tensorflow, Scrapy, OpenCV, nginx,
- **Certification** : SQL for Data Science([Link](#)), Neural Networks and Deep Learning ([Link](#)), AWS Cloud Practitioner