

Pratik Bhor
Software Developer

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OBJECTIVE

Strong software development background, 2 years of professional experience, including 1 year as a Senior Software Developer, and a Master's degree in computer science from Nottingham Trent University. Possesses a sharp eye for detail, a natural talent for problem-solving with analytical thinking, and a profound comprehension of intricate technical topics. Knowledgeable with a variety of programming languages and tools, and dedicated to keeping up with the newest developments in technology. Eager to contribute to a dynamic team or company by using expertise and experience.

SKILLS

- Linux, Python(Django), REST API
- Java, JavaFX
- SQL (MySQL, PostgreSQL)
- HTML5, CSS, JavaScript (jQuery), AJAX
- AWS (S3, Media Services, EC2), Docker, Git

WORK EXPERIENCE

ServiceNet Technologies - Senior Software Developer

Apr – Aug 2022

- Collaborated with the client to understand project requirements and actively contributed to the initial project architecture design.
- Engaged with product managers to design and architect the project
- Facilitated effective teamwork, ensuring project completion within the stipulated timeframe while efficiently distributing tasks among the team members.

ServiceNet Technologies - Software Developer

Jul 2021 - Mar 2022

- Developed a web application for managing the company's product schemes, enabling dealers to place orders and administrators to oversee scheme management.
 - Technologies Used: Python/Django, Ajax, Django Templates, MySQL.
- Contributed to the development of a CCTV monitoring application, incorporating footage from CCTV cameras and AWS media services.
 - Technologies Used: Python/Django, AWS, S3, MySQL, AWS Media Services, boto3.

enexion Energy - Data Analyst

Jan 2020 - Jun 2021

- Created an internal tool in Python for automated analysis of MSCONS/UDP meter data files.
 - Technologies Used: Python, pywin32.
- Developed a data manipulation tool to provide insights and visualize the energy usage and irregularities in the German energy market.
 - Utilized Python, SQL, Pandas, and Matplotlib for visual reports generation after exploratory data analysis.

FUEL - Intern

Nov 2018 - Feb 2019

- Conducted student interviews at high schools, offering career counseling and guidance..

- Contributed to exploratory data analysis involving data from over 10 lakh students in Maharashtra state.

PROJECTS

File Management Software Using Java/JavaFX.

Module project

- Developed a comprehensive file management software in Java/JavaFX, providing user management and various file operations.
- Demonstrated proficiency in managing data using Docker in a distributed architecture to ensure data availability and security through encryption.

Android Application to provide e-commerce for customized T-shirts.

Module project

- Created an Android application for personalized T-shirt orders, allowing users to upload custom designs.
- Utilized Firebase and Firestore for backend data storage and Android Studio as the integrated development environment (IDE).

Stocks Application to Demonstrate REST API

Module project

- Designed and implemented a stocks application that enables users to buy and sell shares while implementing user management for effective record tracking.
- Utilized a technology stack that includes MySQL for backend data, Django Rest Framework for REST API, AWS for container deployment, Docker for containerization, Docker Hub for image hosting, and GitHub Pages for hosting the project's frontend with AJAX calls to access the REST API.

Autonomous car using object detection.

Bachelors project

- Developed an autonomous car incorporating ultrasonic sensors to detect the distance between the vehicle and obstacles in its path.
- Utilized Python to program the car's behavior, enabling it to respond to various scenarios such as adjusting speed, changing direction, or stopping as needed.
- Considered the application of this autonomous car as a goods carrier in factory assembly lines, with ideal paths designed for efficient vehicle movement.

Steering angle prediction for Autonomous vehicle.

Masters project

- Developed a steering angle prediction system for autonomous vehicles, which relies on image processing techniques to analyze the road ahead.
- Employed advanced deep learning methods, specifically Convolutional Neural Networks (CNN) based regression, to predict precise steering angles.
- This project significantly enhances the driving capabilities of autonomous vehicles, contributing to a safer and more secure road environment by reducing accidents and promoting road safety.

EDUCATION

Nottingham Trent University – MSc., Computer Science.

September 2023

Nottingham, United Kingdom

Savitribai Phule Pune University – B.E., Computer Engineering.

May 2019

Pune, India

CERTIFICATIONS

- [Python Programming](#) – Microsoft
- [Data Science](#) - Kelly Institute