

Sajal Kuikel

SOFTWARE ENGINEERING GRADUATE. DATA SCIENCE ENTHUSIAST ·

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About Me

Software engineering graduate looking for an entry-level position to begin the career in a professional environment. Practical experience in coding, testing, and project management gained through various university projects. Enthusiastic about Data Science and have been taking several related courses to strengthen the knowledge in the field and ultimately to provide value to the company.

Education

University of Northampton, NAMI College

2019 - 2022

BSC. (HONS) COMPUTING (SOFTWARE ENGINEERING)

Trinity International College

2017 - 2019

NEB 10 + 2 SCIENCE

Skills

Languages: PHP | Python | Java | JavaScript | C++

Database: MySQL | PostgreSQL | MongoDB | Neo4j

Frontend: Vue.Js | Bootstrap

Backend: Laravel

Tools Linux | Postman | Selenium | SoapUI | MATLAB | Git | Jupyter | Figma | Microsoft office

Experience

BMP Infology

Sep, 2021

INTERNSHIP

- Learned and practiced advanced Laravel topics such as queues, jobs, emails, notifications, custom artisan commands, events, listeners, and REST APIs.
- Worked on a To-Do app called BMP task-manager

Projects

E-commerce recommender system

May, 2022

PYTHON

- Researched the state-of-art artificial intelligence techniques used for the recommender system.
- Used an open-source solution to demonstrate the concept that used Amazon's product review dataset to provide recommendations.

Bharosha LIMS

Apr 2022

LARAVEL

- A laboratory information management system created for Bharosha Hospital as part of the dissertation.
- Followed Waterfall software development methodology, Requirements engineering done with stakeholders at Bharosha Hospital through interviews, task observation, document review, and ethnographic research.
- Researched about and implemented the Delta check mechanism to detect erroneous lab reports.

EPL matches graph database

Mar 2022

NEO4J

- Designed a graph database for the given EPL matches dataset, imported the data, and constructed queries for given scenarios.

Facial emotion recognition system using Deep Learning

Mar 2022

PYTHON, NODE.JS

- Researched on sentiment analysis through facial emotion recognition, using a Deep Convolutional Neural Network
- Created a model, trained and tested with the FER2013 dataset, and integrated the model into a webapp using Node.js

Fotheby's Auction House

Jan 2022

LARAVEL

- A web app where buyers and sellers interact with the biddable items on an auction. After the auction period is over, the bid item gets sold to the highest bidder. Admins of the system manage auctions, generate reports, view analytics, approve items/users, and more.

Sound Annotator

Jan 2022

MATLAB

- A sound annotator application created using MATLAB that has features like mixing audios, trimming, changing playback speed and volume, and converting the audio format.

Woodland University Course Management System

Jun 2021

PHP

- A group project done by following Agile software development methodology. Handled the role of project manager and software developer, conducted interviews for requirement gathering, and worked on the modules like User records, module records, assignment management, attendance management, diary management, timetable management, and report generation.

Tour Planning Database

Jun 2021

PL/SQL

- Built a database from the given ER diagram using PL/SQL, and created procedures, functions, triggers, and cursor for the given conditions.

Restaurant management system

Jun 2021

PHP

- A restaurant management system to manage menus, and reservations.
- Renovated an existing PHP web application. Improved the code quality by changing its structure, using separation of concerns, transforming duplicated code into functions for re-usability, and optimizing the security by using encryption.

Northampton Vehicle Hire System

Jun 2021

JAVA

- A vehicle rental system where users are able to rent available vehicles

Northampton News

Jan 2021

PHP

- A dynamic news portal webapp created using PHP and MySQL.

Certifications

Jul, 2022 **Become a Linux System Administrator**

[LinkedIn Learning](#)

Jul, 2022 **Become a software Tester**

[LinkedIn Learning](#)

Jun, 2022 **Advanced SQL for Data Scientist**

[LinkedIn Learning](#)

Jun, 2022 **Python Data Structures and Algorithms**

[LinkedIn Learning](#)

Jun, 2022 **SQL Essential Training**

[LinkedIn Learning](#)

Jun, 2022 **Data Analysis with Python**

[FreeCodeCamp](#)

Oct, 2020 **Building Web Applications in PHP**

[Coursera](#)

Sep, 2020 **Interactivity with JavaScript**

[Coursera](#)