

## MINNU PARAMESWARAN

### Data Scientist

**OBJECTIVE** To get an opportunity where I can make the best of my potential and contribute to the organization's growth. I'm excited to work with advanced technologies like machine learning and statistics to understand complex datasets and make informed decisions.

#### INTERNSHIP

##### **Data Science intern**

##### **IDataLytics , infopark kochi**

Data Science and Machine Learning [may-august 2023]

- Gained hands-on experience working with datasets, understanding data with visualizations and analytics, and extracting valuable insights from the same.
- Revamped skillset in programming languages – Python, MySQL – which came in handy while working with vast datasets.
- Applied various algorithms used for data cleaning, modeling, and representation while working on mini-projects.
- Cultivated expertise in understanding data with statistics and visualizations.
- Demonstrated skillset in data visualization tools in the likes of Power BI, Tableau.
- Received introduction to machine learning and neural networks.
- Gained valuable experience working in a professional environment surrounded by specialists

#### ACADEMIC PROJECTS

##### **QUEUE MANAGEMENT SYSTEM**

Mini project

- **Data Structures:**The data structures can help store and manage the queue of customers.
- **User Interface:** Swing can be used to develop the user interface for the queue management system. You can design a graphical interface that allows users to add customers to the queue, view the current queue status, and manage the queue efficiently.
- **Queue Logic:** Implement the logic for managing the queue, including operations like adding customers to the queue, removing customers when they are served, and updating the queue status. By using Java's multithreading capabilities to handle simultaneous customer requests and ensure smooth queue management.
- **Database Integration:** If needed, you can integrate a database using MySQL to store customer information and track their queue positions. This can help in generating reports and analyzing queue data.
- Java & swing package

##### **ONLINE EXAMINATION SYSTEM**

Mini project

- **User Authentication:** Implement a user authentication system to allow students and administrators to log in securely.
- **Exam Creation:** Provide an interface for administrators to create exams by adding questions, assigning marks, and setting time limits.

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- Question Types: Support different question types such as multiple-choice, true/false, or descriptive questions.
  - Exam Taking: Allow students to access exams, view questions, select answers, and submit their responses within the allotted time.
  - Timer: Implement a timer to display the remaining time for each exam attempt and automatically submit exams when the time is up.
  - Exam Grading: Automatically evaluate multiple-choice questions and provide instant feedback to students. For subjective questions, allow administrators to manually grade the responses.
  - Result Generation: Generate exam results for each student, including the total score and individual question-wise performance.
  - Php , Mysql

## **ONLINE EVENT MANAGEMENT SYSTEM**

Mini project

- User Authentication: Implement a user authentication system to enable event organizers and participants to securely log in and access their respective functionalities.
- Event Creation: Provide an interface for event organizers to create and manage events. This includes specifying event details such as date, time, venue, description, and ticketing information.
- Registration and Ticketing: Allow participants to register for events and purchase tickets online. Implement a payment gateway integration to facilitate secure online transactions.
- Event Listing and Search: Display a comprehensive list of upcoming events, enabling users to search and filter events based on different criteria such as date, location, category, or keyword.
- Event Updates and Notifications: Provide a system for event organizers to communicate updates, changes, or important announcements to registered participants through notifications or email alerts.
- Feedback and Ratings: Allow participants to provide feedback and ratings for events they have attended. This can help event organizers gather insights and improve future events.
- Php , javascript , html , css

## **TEXT SUMMARIZATION**

Main project

- Data Preprocessing: Clean and preprocess the text data by removing unnecessary characters, stop words, and special characters.
  - Feature Extraction: Represent the text data in a numerical format suitable for machine learning algorithms.
  - Model Selection: Choose a suitable ML model for extractive summarization, such as Support Vector Machines (SVM), Random Forest, or even deep learning models like Recurrent Neural Networks (RNNs) or Transformers.
  - Training: Split the dataset into training and testing sets. Train the selected model using the training data.
  - Sentence Scoring: Use the trained model to score sentences in a document based on their importance.
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- Sentence Selection: Select the top-ranked sentences based on their scores to form the final summary.
- Deep learning uses to extract the data contents
- python

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#### CERTIFICATION

- **Python and Flask practice course**  
Completed Course on Python and Flask Demonstratio practice course offered by Greate Learning
- **Full Stack web Development workshop**  
Completed workshop on full stack web development hosted by Edureka Learning center
- **Employability Skill Programme**  
Completed Employability Skill programme conducted by Mahindra pride classroom.

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#### EDUCATION

**Master of Computer Application 2021 – 2023**  
School of Technology And Applied Science Edappally, Ernakulam

**Batchelor of Science in Computer Science 2018 – 2021**  
School of Technology And Applied Science Edappally, Ernakulam

**Higher Secondary Education 2016 – 2018**  
G.H.S.S Elamakkara

**Secondary Education 2015 – 2016**  
G.H.S.S Elamakkara

#### SKILLS

Technical Skills  
Python , Mysql , HTML , CSS , javascript , C , Flask

Soft Skills  
Team player , Communication , Determined

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#### SOFTWARE

Visual studio code ,adobe Xd , anaconda , power BI

#### LANGUAGES

English , Malayalam