Jenny Singh

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**Education**

**Pillai College of Engineering**

Bachelor of Technology, Computer Engineering February 2020

CGPA 9.37

Relevant Courses: Machine Learning, Data warehouse and data mining, Big data analysis. Software engineering, Operating Systems

**HSC**  January 2020

CBSE with total percentage of 88.2%

**SSC**  May 2018

CBSE with total percentage of 94.4%

**Technical Skills**

Engineering , html , C , java, javascript, php, python, machine learning, designing

**Work Experience**

**Trainee Web Developer** December 2022

*Bhabha Atomic Research Centre*

* Completed a comprehensive training program as a web developer and gained hands-on experience in building web applications using the CodeIgniter framework.
* Assisted in the development and maintenance of a web application that retrieved and managed hundreds of logbooks from a database which contained information about work completed on a daily basis.
* Collaborated with senior developers to optimize database queries and enhance data retrieval functions, achieving accurate and efficient data retrieval based on date, week, and month criteria; reduced query response time by 40%.
* Participated in the creation of dynamic and visually appealing reports using PHP, HTML, CSS, and JavaScript to present logbook data effectively.

**Projects**

**Teams meeting summarization website using Pegasus model of Hugging Face**

* Collaborated with a team to create a Teams meeting summarization website, utilizing Python, the Pegasus Language model from Hugging Face, and Natural Language Processing (NLP) tools such as NLTK.
* Conducted data preprocessing, feature engineering, and exploratory data analysis to extract valuable insights and enhance the summarization process.

**Quora Sentiment analysis using BERT (Bidirectional Encoder Representations from Transformers)**

* Independently developed a sentiment analysis project utilizing Python and the BERT model with Tensorflow frameowork.
* Fine-tuned the BERT model to evaluate the sentiment (genuine or hateful) of questions posted on Quora, contributing to enhanced content moderation and user experience.

**Online Book review website**

* Coordinated with a team to design and develop an online book review website, leveraging technologies such as HTML, CSS, and MySQL.
* Enabled users to submit reviews on books and discover their literary interests through a user-friendly web interface.

**Book recommendation website**

* Worked collaboratively with a dynamic team to create a book recommendation website, employing a range of technologies, including Python, machine learning, HTML, CSS, and JavaScript.
* Focused on understanding user preferences and enhancing their reading experiences by providing personalized book recommendations through content-based filtering.
* Applied machine learning techniques, including the use of unsupervised learning algorithm K-Means clustering, in Jupyter Notebook.

**Log book report generation website using PHP**

* Designed a website which generates timely reports of the log book records by retrieving the data from the database and performing SQL queries on them, using PHP, SQL and Codeigniter framework.

**Courses** **and Certifications**

* Fine tuning BERT for text classification using Python Tensorflow by Coursera
* Machine Learning and Data Analytics certification from Skillsoft
* Deep Learning and Neural Network implementation certification from Skillsoft
* C programming certificate by Spoken Tutorial
* Demystifying Networking course by IIT Bombay NPTEL - Silver certificate
* Python programming Course by Kaggle and Coursera