S.M Ashraful Hasan

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Date of Birth	15^{th} October, 2000

Key Strength

I aspire to embark on a dynamic career path, contributing to a forward-thinking organization that provides opportunities for continuous knowledge and skill augmentation. My commitment, unwavering dedication, and diligent work ethic drive me to excel. I possess a keen aptitude for swiftly comprehending novel concepts and emerging technologies. I relish challenges that necessitate adaptability in response to evolving demands and a proactive stance in keeping abreast of industry trends. My adept time management ensures streamlined workflows and the attainment of successful outcomes. Leveraging the expertise acquired through diverse undergraduate projects, I aim to play a pivotal role in the company's growth and triumph.

Education

B.Sc. (Eng.) in Computer Science and Engineering (Passing Year: 2023)
Department of Electrical and Computer Engineering (ECE), North South University
CGPA 3.04 out of 4.00

Higher Secondary Certificate - Dhaka City College, Dhaka (Passing Year: 2018)
GPA 4.75 out of 5.00

Secondary School Certificate - Dhanmondi Govt. Boys' High School, Dhaka (Passing Year: 2016)
GPA 5.00 out of 5.00

Professional Skills

Programming Languages:	C, C++, Java, Python, PHP
Data Analysis and Visualization:	Scikit-Learn, Numpy, Pandas, Matplotlib
DBMS:	MySQL Server, Firebase
Web Development:	HTML, CSS, JavaScirpt
Operating System:	Linux, Windows
Others:	Git, LaTeX, Microsoft Office (MS Word, Excel, PowerPoint, etc.), Jira, Api

Major Projects

- **SAFE: A Semantic and Syntactic Based Text Augmentation Technique for Enhancing NLP Performance**
  Technologies: Python, NLTK, Gensim, Matplotlib, NumPy, Scikit-Learn, Keras, Tensorflow
  SAFE is a semantic-syntactic based augmentation process that uses generative language grammar Subject(S), Verb(V) and Object(O) in the sentence and generates new sentences of different grammatical patterns (SVO, SOV, OVS, OSV, VSO and VOS).
- **Online Library Management System**
  Technologies: Html, CSS, PHP
  The Online Library Management System is a dynamic website developed using HTML, CSS, and PHP. It provides users with the ability to register, log in, and logout. The site offers a categorized view of books, allowing users to browse and search for specific books. Additionally, users can add or remove books from their accounts, making it convenient. scarcity. **Available in Github**

- **ESeller App**
  Technologies: Java, Android Studio
  ESeller is a Java-based e-commerce application that offers a user-friendly experience for both customers and administrators. It includes essential functionalities such as user and admin login, user registration, product browsing with detailed information, and the option to add products to the cart. Admins have access to manage product categories, add new products, and monitor user activities, while users can log in, log out, purchase, add, remove, and see the dashboard. **Available in Github**

- **CV Builder Using Java**
  Technologies: Java, Java Swing
  The Simple CV Builder project is a Java-based application designed to help users create and customize their professional resumes or curriculum vitae (CV). This project aims to simplify the process of CV creation by providing users with a user-friendly interface and essential features for building a standout CV. **Available in Github**

- **Transformer Model Optimization Bert**
  Technologies: Pytorch, Keras, Tensorflow, Ktrain, Pandas
  In this project, I harnessed the power of a pre-trained BERT (Bidirectional Encoder Representations from Transformers) model to enhance the performance of several natural language understanding tasks. BERT, being a state-of-the-art transformer-based model, has proven to be highly effective in various NLP tasks, and our project aimed to fine-tune it for specific datasets, including SST-2, Amazon product reviews, and COLA (Corpus of Linguistic Acceptability). **Available in Github**

- **Nearest Neighbour Feature Extraction**
  Technologies: Keras, Tensorflow, Ktrain, Pandas, Google colab
  In this project, pre-trained models are used to extract features from a collection of images. Pretrained models like ResNet101V2, InceptionV3, ZFNet, Densenet are utilized to extract meaningful visual features. It then computes cosine similarities between the image features to find the most similar images to a given input, allowing users to retrieve visually similar fruit images. **Available in Github**

- **Text Summarization Using BERT large CNN**
  Technologies: Python, Pandas, Numpy, Matplotlib, Transformers
  This project employs a pre-trained BERT Large-CNN model with the CORD-19 research challenge dataset to produce succinct and logically structured summaries for research papers. **Available in Github**

Professional Profiles:

- **GitHub: @Ashraful321870**
- **LinkedIn: @Ashraful**
- **Twitter: @SMAshrafulHASA11**
- **Facebook: @S M Ashraful Hasan**
- **Portfolio: @Ashraful Hasan**

References

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