TUSHAR

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OBJECTIVE

To be Associated with a renowned Company, that provides IT career development opportunities and to contribute to its progress through knowledge and skills.

SKILL SET

- **Programming Languages**   **:-**   C, Python, C++
- **Designing Skills**   **:-**   HTML5, CSS3
- **Database**   **:-**   SQL, PostgreSQL
- **Operating Systems**   **:-**   Windows, Linux, MAC-OS
- **Software Tools**   **:-**   PGAdmin 4, Jira, Gerrit, GitLab, Jenkins
- **AI Frameworks**   **:-**   Tensorflow, ONNX, pytorch

WORK EXPERIENCE

- **Intel Corporation - Currently Working as Full Time Graphics Software Engineer (Aug,2019 - Present)**

- **Intel Corporation – Internship in AI Product Group (May'2019 - May'2020)**
  Working on Inference SW Validation, Analyzing Performance of Huge Deep Neural Networks and perform device

  agnostic Optimization at each layer with different activation functions to get the best out of the network in less time.

- **Wipro Ltd. – 6 months as a Technical Associate - Worked in HP Technical Operations (Dec'2017 - Jun'2018)**
  Used to resolve Customer Queries, Customer Handling, Basic Troubleshooting of LAN, WIFI, Printers.

PROJECTS

- **On Going Research Project**
  Image Synthesis Using GAN and Evaluating the Performance on different hardwares to implement a Hybrid Solution for the Inference.

- **Implementation of KMP Algorithm using MPI+OpenMP (Distributed Computing Systems)**
  Pattern matching using clusters of 5 systems(Linux Ubuntu OS) for large input in millions to divide the task between each and achieve parallelisation while computing.

- **Deep Learning - Transfer Learning using imagenet dataset and VGG19**
  Used Pre Trained Dataset to Classify the Object in the images - Tensorflow, Keras Models, Scikit learn Library were used. Used Imagenet - Fish Dataset along with CNN Model - VGG19 to detect the Category of Fish with K-Fold Validation done after Training the Dataset.

- **Advanced Distributed Database - Horizontal Data Fragmentation based on data semantics.**
  Partitioning of Data using Machine learning k-prototype clustering method in a Distributed Database environment using PostgreSQL 10.

- **Publication/Research Project –** Presented & Published research paper titled
  '**Prediction Analysis of risky credit using data mining classification models**'
  (IEEE Catalog Number: CFP1752J-ART/ISBN: 978-1-5090-3038-5) released in the
  8th International Conference on Computing, Communications and Networking Technologies
  at IIT-Delhi, India.

➢ **Scalable Simulation of Complex Combinational Digital Logic**
Scalable Simulation of Complex Combinational Digital Logic using Python. It is available as a library i.e. Digisim in PyPi.

➢ **Automated Street Lightning System - IOT Project**
Used Arduino, LED, LDR Components to build an Automated Street Lightning System.

ACADEMIA

M.tech Information Technology   **July, 2018 – July, 2020**
National Institute of Technology, Surathkal, Mangalore   CGPA-8.5

B.tech Computer Science   **August, 2013 – May, 2017**
Atma Ram Sanatan Dharma college- University of Delhi   Percentage - 79.6%

ACHIEVEMENTS

➢ College Winner in ICICI Virtual Stock mind season 5
➢ Winner in event Brand-o-nomics Quaestus'17 – Economics fest at ARSD College
➢ Organiser, Sangdak Vimarsh, College Tech Fest, 2017
➢ Member, Leaders for tomorrow
➢ Campus Manager, Nokia V India Fest 2014

PERSONAL DETAILS

➢ **Nationality**   **:-** Indian
➢ **Languages Know**   **:-** English, Hindi & Punjabi
➢ **Interest & Hobbies :-** Coding, Exploring Technical Gadgets, Music, Watching Movies, Dance, Cycling, Football.