Virat Mishra

Contact

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Skills

- C++ (Intermediate)
- Python (Intermediate)
- JavaScript (Beginner)
- Bash (Beginner)
- Express.js
- React JS
- Keras
- NodeJS
- Linux

Coursework

- Advance Problem Solving
- Discrete Maths & Algorithms
- Operating Systems (PG)
- Scripting & Computer Environments
- Intro to Parallel Scientific Computing
- Software Engineering
- Statistical Methods in AI
- System & Network Security
- Data Analytics I
- Information Retrieval & Extraction
- Advanced Computer Networks
- Intro to Neural & Cognitive Modelling

Education

- Master of Technology in Computer Science, CGPA : 8.44
  International Institute of Information Technology, Hyderabad
  (July'19 – Present)
- Bachelor of Engineering, Percentage: 66.98
  Netaji Subhas Institute of Technology, Delhi
  (Aug'14 – May'18)
- All India Senior School Certificate Examination, %age: 94.2
  Sachdeva Public School, Delhi *(March'14)*
- Secondary School Exam, CGPA: 10
  Sachdeva Public School, Delhi *(March'12)*

Projects

- **Dev-connector**: A Social networking website based on MERN (MongoDB, Express, React, and Node.js) stack with authentication, user profile and forum posts features (Backend only)
- **Structure based hate speech** detection using LSTM, CNN.
- Implemented a **Search engine based on Wikipedia dump** to filter most relevant article titles, ranked by Tf-Idf & based on field independent and filed specific queries.
- Designed a **multi peer-based file transfer system** akin to torrent with piecewise selection algorithm for transferring media files along with trackers. Group sharing privileges were also included.
- **Linux bash shell** implementation in C which supports features like i/o redirection, pipelining and other basic shell commands
- Implemented **2-D pattern matching** for two dimensional text and (to be found) pattern inputs using Rolling 2-D hash and Baker Bird algorithm along with brute force and drew comparisons among these implementations.
- **CUDA based implementation of a Convolutional neural network** to improve performance by utilizing cuda cores parallelism.

Miscellaneous

- Google Kickstart Round D 2020 **1615** rank
- TCS Codevita season IX prequalifier **924** worldwide rank
- Codechef 1847 rating, **4 stars division 1** (handle : vir_mis)
- Codeforces 1426 rating (specialist) (handle : virmis)
- GATE 2019 **All India Rank 450** (CSE) 99.54 percentile
- Codechef certified data structures and algorithms programme (CCDSAP) beginner certification.
- Hackerrank Problem Solving (Intermediate) Certificate