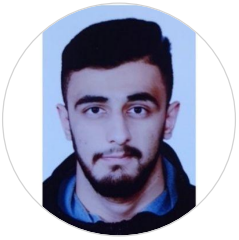
Veer Singh

Final year student BSc. Computer Science Engineering at University of Debrecen | Data Science Intern at Curl



veersingh230799@gmail.com

+36 706391666; +91 9166650332

veer-singh.com

linkedin.com/in/veer-singh-15623a174

github.com/Purefekt

EDUCATION

BSc. Computer Science Engineering
University of Debrecen [4.42/5.00]

09/2018 - Present *Debrecen, Hungary*

WORK EXPERIENCE

Data Science Intern
Curl

06/2021 - Present *Bengaluru, Karnataka*

Tasks

- Used various image preprocessing algorithms to create end to end pipeline for auto noise deduction and reduction, skew correction and watermark and stain removal. This python module was used as a input for Google's Tesseract OCR engine.
- Analyzed various open source algorithms for signature detection, extraction, verification and removal, building a hybrid algorithm which outperformed all existing methods. Trained a custom CNN and used it with the best hybrid method to increase overall accuracy.

Supervisor: Shivaram K R - shivaram@curlanalytics.com

Teaching Assistant
University of Debrecen

09/2020 - 01/2021 *Debrecen, Hungary*

Tasks

- Taught Computer Aided Mathematics and Visualization to a class of 24 students for a semester at the Faculty of Informatics, University of Debrecen.
- Was also responsible for setting the midterm and final exam papers and grading them.
- Technologies used - GeoGebra, MATLAB with symbolic math toolbox.

Supervisor: Dr. Roland Imre Kunkli - kunkli.roland@inf.unideb.hu

Technical Assistant - Volunteer
Navayuga World School

07/2019 - 09/2019 *Nellore, India*

Tasks

- Went over the school's Microsoft 365 contract and enabled all work laptops with the complete Microsoft suite and also coached the staff to use it to its maximum potential.
- Conducted a workshop where I laid out the basics of cloud computing and cloud sharing and enabled the teachers to collaborate and work on files and projects together.

Supervisor: Ms. Nisha Bhakar - nisha.bhakar63@gmail.com

CERTIFICATIONS

Machine Learning by Stanford University

Deep Learning Specialization by deeplearning.ai

CCNA Routing and Switching: Introduction to Networks by Cisco Networking Academy

PROGRAMMING LANGUAGES AND TECHNOLOGIES

Python | SQL | Linux | C# | MATLAB | Java | Git | Microsoft Azure | TensorFlow | Android Studio | .NET Framework

PROJECTS

Recommender System using Personal Spotify Data
- Python, Jupyter Notebook, Spotify Web API
- 7 machine learning classification algorithms were used to create a custom spotify playlist. Dataset was collected using the Spotify Web API.

Custom Object Detection with TensorFlow 2
- Python, TensorFlow, Microsoft Azure
- A custom model was created using TensorFlow 2 on a novel dataset. Dataset consisted of 2,400 images and had an accuracy of 85%.

Custom Object Detection with TensorFlow 2 Lite on Raspberry Pi
- Python, TensorFlow, Raspberry Pi 4, Microsoft Azure
- A custom model was created using TensorFlow 2 Lite on a novel dataset. Dataset consisted of 2,400 images and had an accuracy of 85%. The tests were done on a Raspberry Pi 4.

WPF Chat Application
- C#, .NET framework, MySQL
- This is a simple chat application which runs in Windows with a local MySQL database. The messages are sent through a server which keeps a log of all public chat but does not track any private chat. The UI is also modern looking.

Image Analyser
- Java, Microsoft Azure, Android Studio
- This android app lets the user pick an image from the gallery and then scans a dataset of over 100,000 images and 10,000 classes trying to identify a few elements in the image.
- Google Play Store Link

Meptun
- Java, JavaFX, H2 DBMS
- This Windows/Mac based application developed in an agile environment lets students see their basic information, the courses taken, ability to post on forums, list of relevant teachers and their emails and a built-in email client to send emails to the relevant teachers.

AWARDS

Stipendium Hungaricum Scholarship
Merit based scholarship. Full tuition fee exemption

Professional scholarship 2020/2021 Academic year 1. semester
Involves teaching a class to freshmen students of BSc. Computer Science under the supervision of a professor

LANGUAGES

English
Native or Bilingual Proficiency

Hindi
Native or Bilingual Proficiency