VEER SINGH

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EDUCATION

BSc. Computer Science Engineering [Current CGPA 4.32]
University of Debrecen, Debrecen, Hungary — Expected - Jan 2022

WORK EXPERIENCE

Teaching assistant
University of Debrecen, Debrecen, Hungary — Sept 2020 - Jan 2021

- Taught Computer Aided Mathematics and Visualization to a class of 24 students during the semester at the Faculty of Informatics, University of Debrecen.
- Application used – GeoGebra, MATLAB with the Symbolic Math Toolbox.

IT Intern
Navayuga World School, Nellore, India — July 2019 – Sept 2019

- 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.

SKILLS

Programming Languages - C, Java, C++, MATLAB, Python
Libraries and Frameworks - TensorFlow, NumPy, Matplotlib, Symbolic Math Toolbox
Mobile Development - Android Studio
Desktop Development - .NET Framework
Data Visualization - Microsoft Excel
Version Control - Git
Familiar with - ARM Assembly, SQL, VHDL in Xilinx Vivado, LabVIEW, Microsoft Azure, JavaFX, Kotlin
Office Applications - Microsoft Word, Microsoft PowerPoint

PROJECTS

- **Android app which analyses basic details in an image** [Java, Microsoft Azure, Android studio]
  This android app lets the user pick an image from the gallery and then scans a dataset of 10,000 images and analyses some basic details in the image.
- **Custom Object Detection with TensorFlow 2** [TensorFlow, Python, 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** [TensorFlow, Python, Microsoft Azure, Raspberry pi 4]
- 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.
- **Educational Administration System for Students** [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.
- **Expense report android app** [Java, Android Studio]
  A simple android app which lets the user track all my expenses and see image proofs for those expenses.

CERTIFICATES

- **Machine Learning by Stanford University**
  www.coursera.org
- **Deep Learning Specialization by deeplearning.ai**
  www.coursera.org
- **Improving Deep Neural Networks by deeplearning.ai**
  www.coursera.org
- **Convolutional Neural Networks by deeplearning.ai**
  www.coursera.org
- **Neural Networks and Deep Learning by deeplearning.ai**
  www.coursera.org
- **Structuring Machine Learning Projects by deeplearning.ai**
  www.coursera.org
- **Sequence Models by deeplearning.ai**
  www.coursera.org
- **CCNA Routing and Switching: Introduction to Networks**
  Cisco Networking Academy

LANGUAGES

English
Native or bilingual proficiency

Hindi
Native or bilingual proficiency