

Himalaya Sharma

Portfolio: <https://himalayasharma.github.io/>

Github: github.com/himalayasharma

Email: himalaya.sharma@uwaterloo.ca

Mobile: +1-548-333-4032

EDUCATION

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- **University of Waterloo** Waterloo, Canada
Master of Engineering - Electrical & Computer Engineering; Percentage - 92%
Relevant Coursework: Deep Learning, Machine Learning, Statistics for Data Analysis
 - **Birla Institute of Technology & Science** Goa, India
Bachelor of Engineering - Electronics & Communication Engineering; GPA - 8.30/10
Master of Science - Biological Sciences; CGPA - 8.30/10
Relevant Coursework: Linear Algebra, Calculus, Probability & Statistics, Digital Signal Processing, Introduction to Bioinformatics

SKILLS SUMMARY

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- **Languages & Tools:** Python, R, Git
 - **Frameworks & Packages:** Scikit-Learn, TensorFlow, Keras, NumPy, SciPy, Pandas, Matplotlib
 - **Data Science & Machine Learning:** Data Collation & Wrangling, Statistical Analysis, Model Development & Enhancement, Visualization & Interpretation, Clustering, Classification, Regression

EXPERIENCE

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- **New York University Abu Dhabi** Abu Dhabi, UAE
Research Intern
◦ pass: pass
 - **Technical University of Vienna** Vienna, Austria
Research Intern - CARE Tech. group
August 2020 - December 2020
◦ pass: pass
 - **Technical University of Vienna** Vienna, Austria
Summer Research Intern - CARE Tech. group
May 2020 - July 2020
◦ pass: pass

PROJECTS

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- **Reverse Image Search Engine:** Gives top 5 matches for input query image [Github]
 - Constructed content-based image retrieval (CBIR) system using Oxford's VGG-16 deep learning model and CIFAR-10 dataset.
 - Trained model (initialized with ImageNet weights) for multi-class classification and obtained accuracy of 89% on stratified validation set and 90% on test set.
 - Employed network front-end for feature extraction and generated 60k image encodings to compute similarity scores against query image for obtaining top 5 matches.

PUBLICATIONS

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- **Book: Deep Learning on Web (Web Development, Deep Learning):** Work in Progress book to be published by Packt Publishing in late 2019. Tech: Django, Python, AWS, Azure (November '18)
 - **Book: Deep Learning on Mobile Devices (Flutter App Development, Deep Learning):** Work in Progress book to be published by Packt Publishing in late 2019. Tech: Flutter, Android, Firebase, TensorFlow, Python, Dart (December '18)

HONORS AND AWARDS

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- Awarded title of Intel Software Innovator - May, 2019
 - Second Runner's Up at TCS EngiNx Engineering Project Innovation Content - September, 2018
 - Runner's Up at Facebook Developers Circle Hackathon - August, 2017

VOLUNTEER EXPERIENCE

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- **Community Lead at Developer Student Clubs NSEC** Kolkata, India
Conducted online and offline technical & soft-skills training impacting over 3000 students.
Jan 2019 - Present
 - **Event Organizer at Google Developers Group Kolkata** Kolkata, India
Organized events, conducted workshops and delivered workshops reaching over 7000 developers.
Jan 2018 - Present