

# Ramit SHARMA

## Master Student in Autonomous Systems

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## WORK EXPERIENCE

September 2021 October 2020	<b>Research Assistant, FRAUNHOFER IAIS, Sankt Augustin, Germany</b> <ul style="list-style-type: none"><li>Research on object detection in dense volume data.</li></ul> <div>Python   Tensorflow   Keras   Pytorch   Pandas   Numpy   Scikit-learn   git   GPU cluster</div>
April 2020 November 2019	<b>Digitization for industrial engineering intern, AUDI AG, Ingolstadt, Germany</b> <ul style="list-style-type: none"><li>Creation of concept and a structure for software within the Industrial Engineering</li><li>Modeling components as a part of the digitization process</li><li>Implementation of software that improves the comparison of different production scenarios</li><li>Validation of results and optimization of the tools</li><li>Creation of a user documentation</li></ul> <div>Python   Pandas   Numpy   Tkinter   git   docker</div>
June 2019 April 2019	<b>Applied Machine Learning Intern, INSORO GMBH, Cologne, Germany</b> <ul style="list-style-type: none"><li>Utilization of Deep learning models(LSTM &amp; GRU) in capital markets time-series prediction</li><li>Creation of automatized test cases for portfolio optimization</li></ul> <div>Python   Tensorflow   Keras   Pytorch   Pandas   Numpy   Scikit-learn</div>
June 2015 December 2015	<b>Assistant lecturer, MANMOHAN MEMORIAL POLYTECHNIC, Hattimuda, Nepal</b> <ul style="list-style-type: none"><li>Taught diploma electrical engineering students</li></ul>

## EDUCATION

Present April 2017	<b>Masters of Science in Autonomous Systems, HOCHSCHULE BONN-RHEIN-SIEG, Sankt Augustin, Germany</b> <ul style="list-style-type: none"><li>In this course, I had the opportunity to study subjects like Artificial Intelligence, Neural networks, Learning and Adaptivity, Computer vision, Natural Language Processing.</li><li>The course is research-based; hence I got an opportunity to do research on the application of machine learning on several applications.</li></ul>
2014 2010	<b>Bachelor of Engineering in Electrical and Electronics, RAMAIAH INSTITUTE OF TECHNOLOGY, Bengaluru, India</b> <ul style="list-style-type: none"><li>Thesis in Estimation of Line Parameters of standard IEEE 14 Bus system</li></ul>

## COMPETENCIES

Programming	Python, Matlab, Java, C++, HTML, CSS
Python libraries	Numpy, Pandas, Scipy, Tensorflow, Keras, Pytorch, Tkinter, Scikit-learn, Matplotlib, OpenCV, Os, PIL, Pydicom, NLTK, Spacy, Gensim, Flask
Databases and Other Tools	MySQL, PostgreSQL, Sublime text, Eclipse, Codeblocks, PyCharm, Atom, Jupyter Notebook, Spyder, git, docker, GPU cluster, Heroku
Operating Systems	Windows, Linux Ubuntu

## WEB APPLICATION

- A web application for sentiment analysis that uses a bag of words and Naive Bayes classifier is deployed using the Heroku cloud application platform.
- Link : <https://ssramitsharma.herokuapp.com/>

## LANGUAGES

English	● ● ● ● ●
Hindi	● ● ● ● ●
Nepali	● ● ● ● ○
German	● ○ ○ ○ ○