Ramit **Sharma** Master Student in Autonomous Systems

i 15-June-1991 Nepal





WORK EXPERIENCE

September 2021 October 2020

Research Assistant, FRAUNHOFER IAIS, Sankt Augustin, Germany

> Research on object detection in dense volume data.

Python Tensorflow Keras Pytorch Pandas Numpy Scikit-learn git GPU cluster

April 2020 November 2019

Digitization for industrial engineering intern, AUDI AG, Ingolstadt, Germany

- > Creation of concept and a structure for software within the Industrial Engineering
- > Modeling components as a part of the digitization process
- > Implementation of software that improves the comparison of different production scenarios
- > Validation of results and optimization of the tools
- > Creation of a user documentation

Python Pandas Numpy Tkinter git docker

June 2019 April 2019

Applied Machine Learning Intern, INSORO GMBH, Cologne, Germany

- > Utilization of Deep learning models(LSTM & GRU) in capital markets time-series prediction
- > Creation of automatized test cases for portfolio optimization

Python Tensorflow Keras Pytorch Pandas Numpy Scikit-learn

June 2015 December 2015

Assistant lecturer, Manmohan Memorial Polytechnic, Hattimuda, Nepal

> Taught diploma electrical engineering students



EDUCATION

Present April 2017

Masters of Science in Autonomous Systems, Hochschule Bonn-Rhein-Sieg, Sankt Augustin, Germany

- > In this course, I had the opportunity to study subjects like Artificial Intelligence, Neural networks, Learning and Adaptivity, Computer vision, Natural Language Processing.
- > The course is research-based; hence I got an opportunity to do research on the application of machine learning on several applications.

2014

Bachelor of Engineering in Electrical and Electronics, RAMAIAH INSTITUTE OF TECHNOLOGY, Bengaluru,

2010

> Thesis in Estimation of Line Parameters of standard IEEE 14 Bus system

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, Spy-

der,git,docker,GPU cluster,Heroku

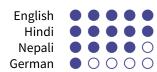
Operating Systems Windows, Linux Ubuntu



🔇 Web application

LANGUAGES

- > 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/



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