

Konark Karna

Inquisitive, and motivated MSc CS graduate with solid background in mathematics, machine learning and reinforcement learning algorithms and techniques. Looking forward to a research position which would lead to successful PhD candidature in future.

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Noida, IN

• EDUCATION AND TRAINING

18/01/2019 - 14/07/2021 – Newcastle Upon Tyne, United Kingdom

Master of Science in Advanced Computer Science – Northumbria University

Grade: Pass

Dissertation: Comparative Analysis of Existing Supervised Learning Methods of Classifying Fake News.

Supervisor: [Alan Godfrey](#)

Weblink: <https://k-karna.github.io/KonarkKarnaKF7029.pdf>

Implemented NLP technique TF-IDF on the LIAR dataset of 12.8K size with 13 different methods: Decision Tree, Random Forest, XGBoost, Naïve Bayes, Logistic Regression, SVM, LinearSVC, Artificial Neural Network (ANN), Convolutional Neural Network (CNN), Recurrent Neural Network (RNN), LSTM, GRU, Bi-Directional LSTM.

Modules:

Research Methods and Project Management, Wireless Networks and Security, System Development Workshop, Big Data and Cloud Computing, Decision Support Systems, Implementation of Object Oriented Designs

Academic Data Science Projects:

Airline Landing Risk Prediction under severe weather using METAR data of ICAO. Modelled with Support Vector Machine (SVM).

Insurance policy recommendation using crime data and housing price index of all UK post codes.

2012 - 2012 – Gwalior, India

Training Program – ABV-Indian Institute of Information Technology & Management

Grade: Good

2008 – 2011 – India

Bachelor of Computer Applications – C.C.S. University

Grade: 61.2%

• SKILLS AND ABILITIES

Core Skills

Problem solving

Literature Review, Dissemination

Scientific Writing

Collaborative Team-player

Communication & Presentation

Subjects

Linear Algebra

Probability & Statistics

Data Science and Analysis

Machine Learning

Reinforcement Learning

Programming and Frameworks

Python

PostgreSQL, BigQuery,

SK-Learn, Tensorflow, PyTorch

OpenCV, OpenAI Gym

Pandas, NumPy, Matplotlib,
Seaborn, Scipy, Git, Linux, Tableau

• WORK EXPERIENCE

01/11/2021 – 24/12/2021 – Noida, India

Guest Lecturer – AAFT, Noida International University (NIU)

Delivered lectures on the concepts of Deep Learning & its relevant modelling for the combined classes of undergraduate, PG Diploma & postgraduate students of AAFT Noida, a college associated with NIU.

07/2012 - 06/2018 – Chandigarh, India

IT Trainer – Engineering Made Easy

Full time IT Trainer in Computer Science Department. Responsible for the preparation of students according to the syllabus for Computer Science and Information Technology each year; for Graduate Aptitude Test Engineering (GATE) examinations.

Key Responsibilities:

Device, prepare and deliver lectures on 'Operating System', and 'Computer Organization and Architecture.'

Liaise with teaching colleagues to plan and co-ordinate training sessions.

01/2020-01/2021 – Newcastle Upon Tyne, United Kingdom

Meet and Greet Officer [Part-Time] – Northumbria University

• ONLINE CERTIFICATIONS

17/01/2022

Google Data Analytics Professional Certificate

This **240 Hours** program offered by Google included Data Exploration/Processing, Data Analysis with R programming, **Data Visualization with Tableau; BigQuery** and **postgreSQL**

26/03/2022

IBM AI Engineer Professional Certificate

This **118 Hours program offered by IBM** included Machine Learning with Python, Computer Vision and Image Processing, Building Deep Neural Network with **Tensorflow/Keras** and, **Deep Learning with PyTorch**

07/10/2022

DevOps on AWS Specialization

This **36 Hours program offered by AWS** included AWS cloud technical essential, and each aspect of DevOps practices. CI/CD pipeline through AWS code, build, test, deploy, monitor, and operate services.

10/10/2022

Data Visualization and Communication with Tableau – 35 Hours program offered by Duke University

18/10/2022

Spatial Data Science and Applications – Offered by Yonsei University

• ADDITIONAL INFORMATION

Interest/Hobbies: Literature, History, F1

Date of Birth: 13 Aug 1989

Gender: Male

Nationality: India

Address: Sector 122, Noida, IN

Sexual Orientation: Heterosexual / Straight

Ethnicity: Indian / South Asian / Asian

Religion: Atheist

Sponsorship Required: Yes