Vikash Ranjan

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ACADEMIC QUALIFICATION

- **University of Hyderabad**(M.TECH. IN ARTIFICIAL INTELLIGENCE)   July 2017-PERSENT
  Masters' Thesis Advisor: Prof. Chakravarthy Bhagvati
  CGPA: 7.58

- **(CUSAT) Cochin university of science and technology**   July 2012-April 2016
  B.TECH. IN COMPUTER SCIENCE AND ENGINEERING
  Bachelors' Project Advisor: Vinod Kumar.P.P
  CGPA: 7.34

FIELDS OF INTEREST

- Machine Learning, Deep Learning, Data Science, Computer Vision, Natural Language Processing, Data structure, Algorithms.

TECHNICAL SKILLS

- C, C++, Python, MATLAB, Scikit-learn, TensorFlow, Git, LATEX, Linux(Linux architecture, Ubuntu, Fedora).

Academic Projects

- **Generative Modeling for Document Images** (Research Project)
  (Guide:Prof. Chakravarthy Bhagvati , May'18 - till date)
  - Objective : Generative models Such as generative adversarial networks(GAN) and PixelCNN for restoring degraded document images.

- **Default Credit Card Prediction** (Mini Project)
  (Guide:Prof. V. Ravi , Sep'17 – Nov'17)
  - Objective : Need to predict which customer is defaulter using machine learning models(Binary classification) such as logistic regression, SVM, etc. Dataset was taken from UCI-ML Repository.

- **Association Rule Mining using Apriori and FP-Growth algorithm for Food Data Set** (Mini Project)
  (Guide:Prof. V. Ravi , Nov'17 – Dec'17)
  - Objective : In this project, Apriori and FP-Growth two association rule mining algorithms are used for food data set and got various rules of association.

- **Computer Aided Process Planning Software** (Major Project)
  (Guide: Vinod Kumar.P.P , july'15-March'16)
  - Objective :A software to determine the sequence of individual manufacturing operations needed to produce a given part or product.The inputs were given to this software in the form of cad design of the product in the form of DXF file formats.
  - Programming languages and platforms :Python 3.5, GTK+3, PyGObject, MySQL Workbench.

Other Projects

- **Apparel Recommendation Engine**
  - Objective :Build a recommendation engine which suggests similar products to the given product in any e-commerce websites ex. Amazon.com, myntra.com etc.
  - Used text processing, Image processing and many more components of data science.

ACHIEVEMENTS

- Secured 3rd rank in 24 Hour Hackathon of data science organized by Invesco.

INTEREST AND HOBBIES

- Reading open source software code, programming, Playing Chess and Singing.