RIYA SEN

+91-7982902798 |senriya852@gmail.com

EDUCATION

Jawaharlal Nehru University
New Delhi

Dec 2020-Dec 2022
CGPA–7.94/9

(School of Computer & Systems Sciences)

M. Tech Statistical Computing(Data Communication)

Dr. APJ Abdul Kalam Technical University
(Nitra Technical Campus, Ghaziabad)

Aug2016-Oct 2020
Percentage of mark–72.05/100

B. Tech (Computer Science and Engineering)

Central Board of Secondary Education
(Shree Thakurdwara Balika Vidyalaya, Ghaziabad)

2016
Percentage of mark-74.03/100

Senior Secondary School (12th)

Central Board of Secondary Education
(CSHP Public School, Ghaziabad)

2014
CGPA-8.2/10

Secondary School (10th)

AKTU(UPSEE): Rank 2(M.Tech, CSE)
AKTU(UPSEE): Rank 3 (M.Des)

JNUEE: Rank 5 (Data Communication)
IIT Mains & Advanced: Qualified

RESEARCH INTERESTS

Machine Learning, Computer Vision, Medical Image Processing, Applied area of machine learning, Deep Learning, IOT, Computer network, Network Security, Network slicing, ML approaches in Networks.

RELEVANT COURSEWORK

Machine Learning, Optimization Techniques, Probability & Stochastic processes, Data Structure & Algorithm, Brain Theory & Neural Networks, Statistical Inference & Multivariate Techniques, Speech & Natural Language Processing, Data Communication & Computer Networks, Natural Language Processing, Information Theory, Internet of Things,

RESEARCH EXPERIENCE

Indian Institute of Technology, Delhi (IIT Delhi)

- **Junior Research Fellow (JRF) -Next Generation wireless Research and Standardization on 5G and Beyond**

  May 2023 - Present

  Working as a JRF on project working on LTE simulation, Network slicing, 5G Security, Detecting human presence by using WLAN signals and Deep learning.

Jawaharlal Nehru University (JNU), New Delhi   **Dec 2020 –Dec 2022**

- **Masters' Dissertation – Bug Fix Time Prediction modeling by using Machine Learning Techniques**
  For Bug fix time prediction, Here I worked on different machine learning techniques using different bug reports from open sources like Bugzilla, Gnome, Eclipse, Mozilla.
  We studied several Machine Learning Techniques like SVM, Random forest, and Decision trees this. The predictive power of each model is evaluated with precision, recall, and summary statistics. Among them are predictive models in an experimental setting using initial bug report data and post-submission data from three active open-source projects: Eclipse, Chrome, and Mozilla.

- In **3rd Semester- Recommender System by using Machine learning**
  In 3rd sem of masters, we developed a project movie recommender system by using machine learning language

- I worked as a **Project Assistant on a live project of Covid-19.**   **Dec 2022-April 2023**

- Dr. APJ Abdul Kalam Technical University, Lucknow
  (Nitra Technical Campus, Ghaziabad)   **Aug 2016-Oct 2020**
  Undergraduate Project – Online Crime Reporting System
  Developed a project on "**Online Crime Reporting System**" using PHP, DBMS, CSS, HTML and Bootstrap.

  Conference: Attended 2nd International Conference on Recent Trends in Engineering, Technology and Business Management (ICRTETBM 2023)
  Presented Research paper on "Bug fix time Prediction" and selected for publication

PROGRAMMING LANGUAGES AND SOFTWARES

- Python, C-Programming, C++, MATLAB

- HTML, PHP, CSS

INTERNSHIPS & WORKSHOPS

- Training in Python 6 weeks at Internshala (2020)
- Training in Web Development in Ducat Training Institute, Ghaziabad for 12 months.
- IOT workshop in IIT DELHI
- 5G Workshop in IIT DELHI
- LIFI workshop in IIT DELHI
- 5G Network Security workshop in IIT DELHI
- Attend Digital India Alt Hack, IBC Media in IIT Delhi
- Attend 7th Summer School on AI in IIIT Hyderabad.
- Attended 14th ICCCNT 2023
- Attended NCC 2024 at IIT Madras

LEADERSHIP EXPERIENCE

- Volunteering in AKTU
- Class Coordinator M.Tech Statistical Computing (Data Comm) at SCSS JNU

REFERENCES

- Prof. VB Singh
  Professor, Jawaharlal Nehru University, New Delhi
  email: vbsingh@mail.jnu.ac.in
- Prof. Saurav Sharma
  Assistant Professor, Jawaharlal Nehru University, New Delhi
  email: saurabhsharma@mail.jnu.ac.in
- Prof. Vireshwar Kumar
  Assistant Professor, IIT Delhi
  email: viresh@cse.iitd.ac.in