

Bishwas Mandal

2194 Engineering Hall
Manhattan, KS 66506

785-320-0532
bishmdl76@ksu.edu
<https://bishwasmandal246.github.io>

Education

Kansas State University

Jan 2020 - Present

PhD, Computer Science (*GPA: 4.0/4.0*)
(Advisor: Dr. George Amariuca)

KL University, India

2015 - 2019

B. Tech, Computer Science (*GPA: 8.2/10*)

Publications

Sharma, C., **Mandal, B.**, & Amariuca, G. (2020, Sep.). **A Practical Approach to Navigating the Tradeoff Between Privacy and Precise Utility**. In *25th European Symposium on Research in Computer Security (ESORICS)*. (*Submitted*)

Mandal, B., Pradhan, A., & Swain, G. (2019, April). **Adaptive LSB substitution Steganography technique based on PVD**. In *3rd International Conference on Trends in Electronics and Informatics*. IEEE.

Shukla, U., **Mandal, B.**, Kiran, K.V.D. (2019, May). **Perlustration on Mobile Forensics Tools**. *International Conference on Intelligent Computing and Control Systems*. IEEE. (*Accepted*)

Work Experience

Kansas State University

Jan 2020 - Present

Graduate Teaching/Research Assistant

- Used Machine Learning and Deep Learning Models to validate the results in Privacy Utility Trade Off Problem.
- Teaching Assistant for CIS 575, Introduction to Algorithm Analysis (Spring 2020)

KL University, India

May 2018 – May 2019

Undergraduate Research Assistant

- Studied steganographic approaches & used PVD & LSB substitution technique to construct a new algorithm.
- Analyzed Data hiding method using AES encryption and Discrete Wavelet Transform based Steganography.
- Reviewed various mobile forensics tools used for different OS and identified their advantages over the other.

Info Click Private Ltd., Nepal

May 2018 – July 2018

Trainee

- Worked under Web Designing domain and concentrated on building/designing a website.

Graduate Coursework

Database Management Systems (CIS761), Formal Language Theory (CIS 770)

Awards & Prizes

- Nepal Aid Fund Scholarship Scheme awarded by the Ministry of External Affairs, India (2016- 2019). Value: ~ US\$ 24k
- 1st Prize in Intramural Football Competition organized by K L University

Computer Skills

- Languages: Python, MATLAB, JavaScript, HTML, CSS, MySQL, (C, Java: Basic Proficiency)
- IDEs & Libraries: PyCharm, Jupyter Notebook, VS Code, NumPy, Pandas, Scikit-learn, Tensorflow, Keras