Swangya Saurav

swangya@gmail.com ❖ (682) 559-0963 ❖ Arlington, Texas

EDUCATION

University of Texas at Arlington   **May, 2018**

- Bachelors of Science, Computer Science with a minor in Mathematics
- Magna Cum Laude | 3.64/4.00 GPA
- Upsilon Pi Epsilon Computer Science Honor Society

Relevant Coursework

Machine Learning • Artificial intelligence • Unmanned Vehicle System Development • Introduction to Software Engineering • Linear Algebra

WORK EXPERIENCE

University of Texas at Arlington   **Oct. 2016 – May 2018**
Tutor   *Arlington, Texas*

- Mentored students in Computer Science, Math, and Physics classes

Neelkamal Enterprises   **May 2016 – Aug. 2016**
Software Development Intern   *Indore, India*

- Developed REST API using Python and Django Framework to interact with SQL Database
- Developed data catching component of an Android Application to work with JSON data Packets

PROJECTS

Fish Measure (Python, Java, Flask, Tensorflow, React Native)

- Developed a Machine Learning based Mobile Application to recognize a fish and measure its length by utilizing Tensorflow Library.

Unmanned Vehicle Guidance and Navigation System (MATLAB, ROS, Simulink)

- Programmed a Guidance, Navigation, and Controls system for Unmanned Rover.

PUBLICATION

- Swangya Saurav. 2018. Training a Neural Network to recognize a fish and a coin and performing a comparative analysis to deduce the length of a fish. Undergraduate Research Thesis at the Honors College. University of Texas-Arlington, Arlington, TX, USA.

CERTIFICATION

- Information Systems Security Professionals, NSTISSI Number 4011
- System Administrators, CNSSI Number 4013E

SKILLS

Programming:

- **Proficient:** Python, Java, MATLAB
- **Knowledgeable:** Android, React Native, JavaScript, C/C++

Technical Skills:

Agile/Scrum • Network Protocols • Encryption • Version Control (Git) • Object Oriented Development • Software Testing • Cyber Security

LEADERSHIP

Event Manager   **Aug. 2016 – May 2017**
ACM UTA Chapter

Residential Assistant   **Jan. 2016 – May. 2016**
University of Texas at Arlington