

# Md Olid Hasan Bhuiyan

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[CV Last Updated: 13 October, 2024]

## Research Interest

- Security and Privacy
- Computer Vision
- Computer Networks

## Education

- PhD in **Cybersecurity**, University of California, Riverside  
PhD Supervisor – [Prof. Emiliano De Cristofaro](#)  
*September 2024 - Present*
- BSc in Computer Science and Engineering, Bangladesh University of Engineering and Technology  
**Undergraduate Thesis Topic:** Cloud Security  
*March 2018 – May 2023*

## Employment

- **September 2024 – Present**
  - o PhD Student, University of California, Riverside (UCR)
- **April 2024 – September 2024**
  - o Site Reliability Engineer, Relisource Software Ltd.
- **June 2023 – March 2024**
  - o Programmer, Grameen Bank IT Department

## Honors & Awards

- **2<sup>nd</sup> Place**, in Graduate Division at [UCR Programming Contest](#), with 628 points among 222 participants *October 2024*
- **Conference Speaker**, 14th International Conference on Cloud Computing and Services Science *May 2024*
- **RISE Research Grant**, Research and Innovation Center for Science and Engineering, BUET *February 2023*

## Publications

- **Md Olid Hasan Bhuiyan**, Souvik Das, Shafayat Hossain Majumder, Suryadipta Majumdar, Md. Shohrab Hossain  
**On Detecting Malicious Code Injection By Monitoring Multi-level Container Activities**  
14th International Conference on Cloud Computing and Services Science

## Research Experience

- **Final Year Thesis Work**, Bangladesh University of Engineering and Technology.  
Thesis Topic: Security in Cloud Environment
- **Vein-Based Imaging Approach for Real-Time Dehydration Detection**, Bangladesh University of Engineering and Technology  
engaged in a research work with **Professor Dr. Tanzima Hashem** from Department of CSE, BUET. In this research, we are trying to detect dehydration from hand vein image using different deep learning models.

## Technical Skills

- **Programming Languages:** Assembly, C, C++, C#, Java, Python
- **Documentation and Presentation Tools:** Latex, MS Office Suite
- **Software Development Framework:** Node.js, React.js, Django, Javafx, .NET
- **DBMS Tools:** Oracle, PostgreSQL
- **Network Simulation Tool:** NS3
- **Computer Forensic Tools:** Strace, Sysdig, Wireshark, New Relic
- **Others:** Kubernetes, Docker Container, git, Machine Learning/Deep Learning

## Undergraduate Projects

- **Bangla Caption Generation for images (02/2023 – 03/2023)**
  - In this project, a new model is proposed and implemented that can generate Bangla caption for a given image
  - Full Code is available at <https://github.com/Sizvy/Bangla-Caption-Generator-for-images.git>
- **Bangla Digit Recognition using CNN (01/2023 – 02/2023)**
  - This CNN model is built from scratch. The applied model showed 77% independent test accuracy and 91% validation accuracy.
  - Full Code is available at <https://github.com/Sizvy/Bangla-Digit-Recognition.git>
- **Englishhour (08/2022 – 10/2022)**
  - This is a software development project. Purpose of this project is to create an English Learning Platform for children.
  - Full Code is available at
    - **Frontend:** [https://github.com/swapped004/englishhour\\_FE.git](https://github.com/swapped004/englishhour_FE.git)
    - **Backend:** <https://github.com/tawsifshahriar7/englishhour-backend.git>
- **TCP Libra (11/21 – 02/22)**
  - This is a congestion control algorithm implemented successfully in NS3.
  - Full Code is available at <https://github.com/Sizvy/Tcp-Libra.git>