

# S M Hasan Mansur

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PhD student in CS with 5+ years of experience in Software Development, seeking full-time Summer Intern roles

## RESEARCH INTERESTS

Software Engineering, Machine Learning, Computer Vision

## EDUCATION

**George Mason University**  
PhD student | Computer Science  
Advisor: Dr. Kevin Moran  
Aug 2018 - Present

**Shah Jalal University of Science & Technology, Bangladesh**  
Bachelor's | Computer Science  
Apr 2002 - Apr 2007

## AWARDS

**Best Poster Presentation Award**  
GMU CS | May 2022

**Summer Research Initiation Award** | GMU CS | May 2019

## PROFESSIONAL SERVICES

**Co-Reviewer** | MSR'22

**External Reviewer** | ASE'22, SANER'22, ICPC'21, ICSE'21, MSR'21

## VOLUNTEERING

**BDGSA, GMU**  
Student Organization  
Director, Web Services | 2021-22

**KIN, SUST, Bangladesh**  
Humanitarian Organization  
Member | 2002-07

## TECHNICAL SKILLS

- Python, Javascript, Java, C
- PyTorch, OpenCV, spaCy
- Node.js, Express.js, REST API
- MySQL, MongoDB, Redis, Elasticsearch
- Git, Docker, AWS
- Microservices, TDD

## PUBLICATIONS

Tyler Wendland, Jingyang Sun, Junayed Mahmud, **S M Hasan Mansur**, Steven Huang, Kevin Moran, Julia Rubin, Mattia Fazzini. *AndroR2: A Dataset of Manually-Reproduced Bug Reports for Android apps*. MSR 2021. <https://arxiv.org/abs/2106.08403>

## EXPERIENCE

**George Mason University** | *Graduate Research Assistant* May 2021 - Present

- Working on research projects focused on developing automated approaches to help facilitate Ethical Software Design, Software Evolution, and Software Accessibility

**George Mason University** | *Graduate Teaching Assistant* Aug 2018 - May 2021

- Assisted in mentoring students, grading assignments, and proctoring exams

**Ice9 Interactive**, Bangladesh | *Software Engineer* Apr 2017 - Jul 2018

- Worked on the engineering and infrastructure team responsible for developing social media query and analytics platforms of project 'smashboard.co'

**Synchronous ICT**, Bangladesh | *Software Engineer* Feb 2015 - Apr 2017

- Lead the backend engineering team responsible for developing user management and search platforms of project 'ComX'

**Dcastalia**, Bangladesh | *Software Engineer* Aug 2013 - Jan 2015

- Developed and published native Android application 'HE Business Manager'

**Daimler AG**, Germany | *Student Intern* Oct 2012 - Jul 2013

- Developed a key-value pair parser for environment perception data

**Grameenphone Ltd**, Bangladesh | *System Engineer* Jul 2007 - Feb 2011

- Member of the transmission optimization team to serve over 20 million users

## SELECTED PROJECTS

**AidUI** | *SAGE lab, GMU* May 2021 - Present

- A novel automated approach to detect deceptive UI designs
- Tools: Python, PyTorch, OpenCV, spaCy, FRCNN

**Drishtipat** | *Open Source* Feb 2020 - Jun 2020

- Implementation of different Computer Vision concepts
- Tools: Python, OpenCV, Numpy

**Ontorjal** | *Open Source* May 2020 - Aug 2020

- Implementation of DNS client and Distance Vector Routing protocol
- Tools: Python

**smashboard.co** | *Ice9 Interactive, Bangladesh* Apr 2017 - Jul 2018

- A CRM platform for social media query management and analytics
- Tools: Node.js, Express.js, MySQL, Redis, SocketIO

**HE Business Manager** | *Dcastalia, Bangladesh* Aug 2013 - Jan 2015

- A native Android app for inventory management of healthcare products
- Tools: AndroidSDK, Java

**KVP Reader** | *Daimler AG, Germany* Oct 2012 - Jul 2013

- A parser that converts a key-value pair input stream into a canonical output stream
- Tools: C, Python