

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
CGPA: 3.73 | Aug 2018 - Present

Shah Jalal University of Science & Technology, Bangladesh
Bachelor's | Computer Science
CGPA: 3.54 | 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

- **S M Hasan Mansur**, Sabiha Salma, Damilola Awofisayo, Kevin Moran. *AidUI: Toward Automated Recognition of Dark Patterns in User Interfaces*. (under review)
- 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, Ontorjal | Open Source Feb 2020 - Aug 2020

- Drishtipat is an implementation of different Computer Vision concepts
- Ontorjal is an implementation of DNS client and Distance Vector Routing protocol
- Tools: Python, OpenCV, Numpy

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