

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

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>

LEADERSHIP

Bangladeshi Graduate Students Association, 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
- MySQL, MongoDB, Redis, Elasticsearch
- Git, Docker
- AWS: EC2, RDS, S3
- REST API, Microservices
- Test Driven Development

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

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

AWARDS

- **Best Poster Presentation Award** | *GMU CS* May 2021
- **Summer Research Initiation Award** | *GMU CS* May 2019