



Md. Nahid Hasan

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in Nahid Hasan Raju

EXPERIENCE

•Miami University

August 2024 - Present

Graduate Teaching Assistant

Oxford, Ohio

- Working as an instructor of System-I CSE-278 Course

•Samsung Research & Development Institute Bangladesh

July 2024 - July 2024

Senior Software Engineer

Dhaka

- Design and implemented two features (About Galaxy Wearable, About Watch) for the "Galaxy Wearable" application in Galaxy Watch 7

•Samsung Research & Development Institute Bangladesh

July 2022 - June 2024

Software Engineer

Dhaka

- Developed and implemented two features (About Galaxy Wearable, About Watch) for the "Galaxy Wearable" application in Galaxy Watch 6, which has over 10 million users.
- Improved the unit test coverage of the "Galaxy Wearable" application's WearOS plugin, which reduced the risk of bugs and improved the code quality.
- Developed and implemented five different features (Sound Settings, Display settings, Advanced features, Band Rotate, About band) for the fit3 plugin, which is one of the promising product of Samsung.

RESEARCH AND PROJECT

•Experience

- **Decoding of mental states in social context using fMRI:** This project is about decoding mental state from the blood oxygenation level as neural activity of the human brain. Using fMRI and AI the mental state of a person would be decoded.
- **Build an Android app -"Nittosheba":** An android app to help to find our daily service easily. This apps is an interactive platform for users and service providers.

•Research Interests

- Machine learning: Neural Networks, Supervised learning, Unsupervised learning
- Generative AI: Generative Adversarial Networks
- Software engineering: Design patterns, Development methodologies and Testing
- Human factors in technology: cognitive load, visual perception, and user preferences
- Personalized user experiences

EDUCATION

•Miami University

2024-Present

MSCS in Computer Science

•Major Coursework:

Machine Learning, Research Methodologies, Remote Sensing

•University of Rajshahi

2017-2022

BSc in Computer Science and Engineering

CGPA: 3.78/4.00 (Ranked 2nd)

•Major Coursework:

Data Structure and Algorithm, Compiler, Operating System, Computer Network, Artificial Intelligence, Simulation and Modelling, Software Engineering, System Analysis and Design, Database, Programming languages.

ACTIVITIES AND ACHIEVEMENTS:

- Received the Dean's Award three times for academic excellence within the Faculty of Engineering, University of Rajshahi.
- Passed professional level exam and ranked top 3 on the monthly contest twice in Samsung Research and Development Institute.
- Participated in ACM ICPC Dhaka regional twice in 2018 and 2019.(best rank: 74)
- Participated in NCPC and 10+ onsite National Inter-University Programming Contest and ranked up to 4th.
- 11th in Bangladesh at ITEE Level-2: Fundamental Information Technology Engineer Examination 2021.
- Solved 1016 problems in Vjudge.(2nd highest in Bangladesh)
- Solved 265 problems in Leetcode.
- Codeforces max contest rating: 1544
- Provided voluntary service at Bangladesh Olympiad in Informatics and several IEEE organised program such as Project showcasing-2019 and 6th International Conference on Computer, Communication, Chemical, Materials and Electric Engineering-2021.

SKILLS

- **Programming Languages:** C, C++, Java, Kotlin, Python
- **Technology:** HTML, CSS, GIT, Latex
- **User-Centered Design:** Wireframing, Usability testing, User interviews
- **Software Engineering Principles:** Agile methodology, Version control
- **Data Analysis:** FSLeaves, SPM12, Excel
- **Concepts:** OOP, Data structure and Algorithms, Custom UI, Unit Testing
- **Database:** MySQL, MongoDB
- **Design Patterns:** MVP
- **Networking:** Familiarity with Network protocols and concepts