

# Subir Dey Raju

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## Experience



### HypeScout Pte. Ltd.

Frontend Engineer

July 2021 – Present

- Created modern server-rendered web application as per business needs
- Orchestrated a micro-frontend architecture to scale the system
- Created a complex state management store to serve the application's global data needs
- Working with internationalization to scale the product beyond borders
- Improving performance by cutting down unnecessary re-renders within the application state tree
- Testing with Cypress/Jest/Puppeteer



## Education



### North South University | Dhaka, Bangladesh

Bachelor of Science in Computer Science & Engineering (BSCSE) – CGPA 3.65/4.00

2017 – 2021



### Omargani M. E. S. College | Chittagong, Bangladesh

Higher Secondary Certificate (HSC) – GPA 4.67/5.00

2013 – 2015



### Powapara Model High School | Chittagong, Bangladesh

Secondary School Certificate (SSC) – GPA 4.94/5.00

2008 – 2013



## Publications

- Mushfiqur Rahman Chowdhury, **Subir Dey Raju**, Lubba Saha, K. M. A. Salam, "Implementation of a Web-based Technology for Tracking Readymade Garments Manufacturing Defects" 2021 International Conference on Intelligent Technologies, Karnataka, India 25<sup>th</sup> – 27<sup>th</sup> June, 2021, accepted for publication.
- **Subir Dey Raju**, Fahimul Hoque Shuvo, Sana Sanzida, Fahim Iftekhar, Syed Athar Bin Amir, "Comparison of Different Convolutional Neural Network Architectures in Classifying Dhaka City Traffic", in review process.



## Projects

**InTrack** | A web-based technology to help the garments industry to detect the defects in readymade garments.

- As a part of CSE499 (Senior Design Project) course, developed a prototype of a web-based technology that can help detecting the readymade garments manufacturing defects. The owner can easily keep track on all the information instantly.
- Utilized – React.js, React Native, Microservice Architecture, MySQL

**Online Air Ticket Management System** | A website to search and book air ticket.

- As a part of CSE482 (Internet and Web Technology) course, designed and developed a website where user can register and then search for flight and on availability, user can book and pay for the ticket and a virtual ticket will be displayed with flight information on the screen.
- Utilized – HTML, CSS, JavaScript, PHP, MySQL

**Docket** | A website to keep track and sharing movies, tv-shows, anime, games and movies.

- As a part of CSE299 (Junior Design Project) course, developed a website through which user can login and then keep track of movies, tv-shows, anime, games and books user has watched/played/read or is watching/playing/reading or is planning to watch/read/play. User can also post blog about those items.
- Utilized – HTML, CSS, JavaScript, PHP, API, MySQL

**Departmental Store Management System** | A system to manage a departmental store.

- As a part of CSE215 (Programming Language II) course, developed a system where one can login as an admin or counter attendant. Admin has the liberty to add, view, edit and delete information of goods, employees and members from the database. Employees can log in to as counter attendant and see the info of goods from the database to calculate the total price of the things a customer would buy.
- Utilized – Java, MySQL

**Canteen Management System** | A system to manage a canteen

- As a part of CSE115 (Programming Language I) course, designed a system where one can see the food items and their price and select items and order for foods. The system will show a virtual receipt containing the items and their respective price with the total amount to be paid.
- Utilized – C.

**International English Language Testing System (IELTS) Score**

Test Date-April 9, 2022

Overall	Listening	Reading	Writing	Speaking
7.0	8.5	6.0	6.5	6.5

**Technologies**

**Languages** : C, Java, R, HTML/CSS/JavaScript  
**Frameworks** : React  
**Version Control** : Git  
**Database** : MySQL  
**IDE** : NetBeans, Visual Studio, IntelliJ Idea  
**Platform** : Windows, MacOS

**Interpersonal Skills**

**Innovative** : I always try to look for innovative ideas to work with.  
**Research Work** : I worked on a research project on Image Processing under Syed Athar Bin Amir Sir.  
**Public Speaking** : Regularly made class presentations in front of course instructor and the class.  
**Leadership** : Led many events as an incharge of NSU ACM SC in which incharge of Food Distribution in “Technovation” and event incharge of “Hour Of Code” were main . I was also a Sub Executive of NSU ACM Student Chapter.

**Extracurricular Activities**

- As a cricketer, played for a local club in Rangamati District, Chittagong, Bangladesh as an opener batsman for two years.
- As a Patrol Leader (PL) of Powapara Model High School Boys Scout Team, attended “Rangamati Annual Camp House”, “Biddut Camp” arranged by the government, and “National Jambury Camp, 2011” in Dhaka.
- Worked as a student volunteer with RHSTEP (Reproductive Health Services Training and Education Program) from 2011 to 2012.