# MOHAMMAD ABDUL AHAD CHOWDHURY

### **Graduate Student of Data Science • Full-Stack Web Developer**

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# **EDUCATION**

# Macquarie University

#### **Master of Data Science**

Feb 2020 - Present

Sydney, Australia

• Coursework: Repositories on GitHub

### North South University

### **Bachelor of Science in Computer Science and Engineering**

m Jan 2014 - Aug 2018

Ohaka, Bangladesh

- Capstone project: Fruit Image Classification Using Convolutional Neural Networks
- Coursework: Repositories on GitHub

# **WORK EXPERIENCE**

### **Apollo International**

#### **Software Engineer**

Apr 2021 - Present

Sydney, Australia

Part-time employment developing the in-house CRM solution. Responsibilities:

- Development of the client-side software (Next.js).
- Development of the server-side software (ASP.NET Core with PostgreSQL, Redis).
- · Unit testing.
- Integration and deployment of the complete solution.

### Dynamic Solution Innovators Ltd.

### Junior Software Engineer

## Feb 2019 - Jan 2020

Ohaka, Bangladesh

Full-time employment developing enterprise web applications. Responsibilities:

- Added new components, features, and bug-fixes to the client-side software (React.js, Electron.js, Material-UI).
- Added features and optimizations to the server-side software (Hapi.js).
- Optimized database queries and wrote database migration scripts (RethinkDB).
- Wrote unit and e2e tests (Jest, Cypress).
- Refactored code to increase test coverage (Codecov).

#### North South University

### Research Assistant

Mov 2016 - Apr 2018

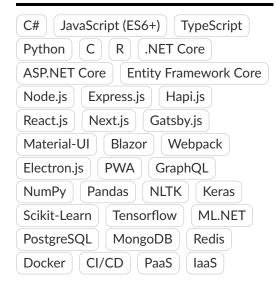
Ohaka, Bangladesh

Part-time employment under the Department of Environmental Science and Management [Relevant news article]

Project: Satellite-based Navigation in Civil Aviation: Performance Evaluation in the Context of Bangladesh

Responsibilities: Developed the client-side desktop application (.NET, Windows Forms) for NODES, an airline management software.

# TECHNICAL SKILLS



# PERSONAL PROJECTS

#### KonSchool

- Fuzzy-AHP-based recommendation system for secondary schools in Bangladesh.
- Tech-stack: ASP.NET Core, MongoDB.
- Links: <u>GitHub repo</u>, Hosted on <u>Azure</u> and <u>Heroku</u>, Docker image

#### Connery

- Fruit-image-classifier using convolutional neural networks.
- Tech-stack: ML.NET, ASP.NET Core.
- Links: GitHub repo API Swagger

#### AddLicenseHeader

- A CLI tool that adds a license header on top of source files.
- Tech-stack: .NET Core.
- Links: GitHub repo, NuGet package

#### **Vardict**

- A basic Node.js package for parsing labeled CLI arguments.
- Tech-stack: Node.js, TypeScript.
- Links: GitHub repo, NPM package

# **PUBLICATIONS**

- Selection of Most Suitable Secondary School Alternative by Multi-Criteria Fuzzy Analytic Hierarchy Process. [Link]
- Fruit Image Classification Using Convolutional Neural Networks. [Link]
- Fusion of BWM and AHP MCDM Methods to Choose the Most Suitable Secondary School for an Individual in the Context of Bangladesh. [Link]