

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

Jan 2014 – Aug 2018

Dhaka, 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

Dhaka, 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

Nov 2016 – Apr 2018

Dhaka, 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

C# JavaScript (ES6+) TypeScript
Python C R .NET Core
ASP.NET Core Entity Framework Core
Node.js Express.js Hapi.js
React.js Next.js Gatsby.js
Material-UI Blazor Webpack
Electron.js PWA GraphQL
NumPy Pandas NLTK Keras
Scikit-Learn Tensorflow ML.NET
PostgreSQL MongoDB Redis
Docker CI/CD PaaS IaaS

PERSONAL PROJECTS

KonSchool

- Fuzzy-AHP-based recommendation system for secondary schools in Bangladesh.
- Tech-stack: ASP.NET Core, MongoDB.
- Links: [GitHub repo](#), Hosted on [Azure](#) and [Heroku](#), [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. [\[Link\]](#)