

Mohammad Abdul Ahad Chowdhury

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[GitHub](#) • [LinkedIn](#)

PROFILE SUMMARY

Bangladeshi graduate student of data science, with professional experience in full-stack web development. Currently looking for part-time employment or an internship in the IT industry.

EDUCATION

- **Macquarie University** New South Wales, Australia
Master of Data Science
Expected to graduate in December 2021.
Coursework: Data Science • Big Data
February 2020 – Present
- **North South University** Dhaka, Bangladesh
Bachelor of Science in Computer Science and Engineering
Capstone project: Fruit Image Classification Using Convolutional Neural Networks
Coursework: Artificial Intelligence • Theory of Fuzzy Systems • Software Engineering • Microprocessor Interfacing & Embedded System • Computer Graphics
January 2014 – August 2018

WORK EXPERIENCE

- **Dynamic Solution Innovators Ltd.** Dhaka, Bangladesh
Junior Software Engineer
February 2019 – January 2020
Full-time employment working on Node.js-based full-stack (React.js and Hapi.js) web applications: the OpenCRVS project, and the enterprise solution of Olwel, a healthcare startup. Agile methodology (scrum) was followed.
Responsibilities: Added new features and components; fixed bugs; optimized API calls and database queries (RethinkDB); wrote database migration scripts (RethinkDB); wrote unit (Jest, Mocha), integration (Enzyme), and end-to-end tests (Cypress).
[View my commits for OpenCRVS on GitHub [here](#)]
- **North South University** Dhaka, Bangladesh
Research Assistant
November 2016 – April 2018
Part-time employment working on a research project under the university's Department of Environmental Science and Management ([relevant news article](#))
Responsibility: Developed the front-end software (.NET, Windows Forms) of NODES, an airline management system that uses linear optimization to maximize usage of airline resources.

TECHNICAL SKILLS

- **Programming languages:** C#, JavaScript (ES6), TypeScript, Python, C, Java, C++
- **Web development:** ASP.NET Core, Entity Framework Core, Blazor, Node.js, Express.js, Hapi.js, Angular, React.js, Webpack, ReST, GraphQL, Socket.IO, Microservices architecture
- **Machine learning:** Jupyter Notebook, Pandas, NLTK, Scikit-Learn, ML.NET
- **Desktop app development:** Windows Forms, WPF, UWP, Electron.js, JavaFX
- **Database:** MongoDB, MySQL, Microsoft SQL Server, PostgreSQL, SQLite, RethinkDB
- **DevOps:** Docker, Heroku, Azure App Service, MongoDB Atlas, Travis CI, AppVeyor

PERSONAL PROJECTS

- **KonSchool:** ASP.NET Core, MongoDB [[GitHub](#) • [Azure](#) • [Heroku](#) • [Docker](#)] – Fuzzy-AHP-based recommendation system for secondary schools in Bangladesh.
- **Connery:** ML.NET, ASP.NET Core [[GitHub](#) • [API \(swagger\)](#)] – Fruit-image-classifier using convolutional neural networks.
- **MqFind:** Node.js, TypeScript, React.js, Hapi.js, Webpack, Lerna, Docker Compose [[GitHub](#) • [API](#)] – A full-stack web app that shows listings of accommodation near Macquarie University campuses.
- **Vardict:** Node.js, TypeScript [[GitHub](#) • [NPM](#)] – A basic Node.js package for parsing labeled CLI arguments.
- **Winston:** Cmake [[GitHub](#)] – Implementation of neural networks from scratch, in C. *WIP*.