# MOHAMMAD ABDUL AHAD CHOWDHURY

## Graduate Student of Data Science ● Full-Stack Web Developer ● Machine Learning Expert

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## **EDUCATION**

### Western Sydney University

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

Feb 2022 - Present

Sydney, Australia

• Coursework: Natural Language Understanding, Social Media Intelligence, Visualisation

### North South University

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

math display="block"> 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**

## 20 Apr 2021 - 25 Jul 2022

Sydney, Australia

Part-time employment developing the in-house CRM solution. Stack: ASP.NET Core, EF Core, xUnit, PostgreSQL, Redis, React.js, Next.js, Material UI, Jest, RTL, Playwright, SSH, Nginx, Certbot Responsibilities:

- Development of the client-side and the server-side software.
- Unit testing of the back-end project.
- Unit and end-to-end testing of the front-end project.
- Integration and deployment of the solution on a VPS instance.

### Dynamic Solution Innovators Ltd.

### **Junior Software Engineer**

◆ Dhaka, Bangladesh

Full-time employment developing enterprise web applications.

Projects: The OpenCRVS project (<u>technical details</u>, <u>commits</u>) and the full-stack solution of <u>Olwel</u>, an IT-based healthcare startup (technical details).

Stack: Node.js, Hapi.js, MongoDB, RethinkDB, React.js, Electron.js, Redux.js, Material UI, Jest, Cypress

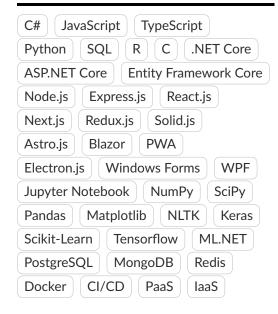
#### Responsibilities:

- Addition of new components, features, and bug-fixes to the clientside software.
- Addition features and optimizations to the server-side software.
- Optimization of database gueries and database migration scripts.
- Composition of unit and end-to-end tests.

## **OPEN SOURCE CONTRIBUTION**

- ubuntu-mate/ubuntu-mate.org
- howtocode-dev/git.howtocode.dev
- devsonket/devsonket.github.io
- sandoche/Darkmode.js

## TECHNICAL SKILLS



## PERSONAL PROJECTS

#### KonSchool

- Fuzzy-AHP-based recommendation system for secondary schools in Bangladesh.
- Tech-stack: ASP.NET Core, MongoDB.
- Status: Completed, with unit and e2e tests (xUnit and Moq) at 95% coverage. Another version is in development, with more features and modularity.
- Categories: Web application, Recommendation system.
- Links: GitHub repository, Hosted on <u>Azure</u> and <u>Heroku</u>, Docker image

#### Connery

- Classifier of images of fruits that uses convolutional neural networks.
- Tech-stack: ML.NET, ASP.NET Core.
- Status: Completed, fixing bugs now.
- Categories: Web application, Machine learning, Deep learning
- Links: GitHub repository, API Swagger

#### Winston

- Implementation of neural networks from scratch.
- Tech-stack: C, CMake.
- Status: In development
- Categories: Machine learning, Deep learning
- Links: GitHub repository