

# Md. Abdul Ahad Chowdhury

Full stack web developer, AI aficionado, research geek.  
Team player • Dedicated • Inquisitive

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## Education

### Bachelor of Science in Computer Science and Engineering

North South University, Dhaka, Bangladesh

January 2014 – August 2018

#### Senior Year Design (Capstone)

**Project:** Fruit Image Classification Using Convolutional Neural Networks

## Technical Skills

- ❑ **Programming languages:** C#, JavaScript (ES6), TypeScript, C, Python, C++, Java
- ❑ **ASP.NET Core stack:** Web API, EF Core, Identity Framework, Razor, Blazor, SignalR, gRPC, xUnit
- ❑ **JavaScript/Node.js stack:** React.js, Gatsby.js, Angular, Express.js, Nest.js, Jest
- ❑ **Desktop app development:** Windows Forms, WPF, Electron.js
- ❑ **Development and Operations:** Docker, Heroku, Azure DevOps

## Publication

- ❖ Selection of Most Suitable Secondary School Alternative by Multi-Criteria Fuzzy Analytic Hierarchy Process. DOI: 10.1007/978-3-319-98678-4\_29
- ❖ Fruit Image Classification by Convolutional Neural Networks. DOI: 10.4018/IJSI.2019100103

## Linguistic Skills

- ❖ **Bengali:** Native
- ❖ **English:** IELTS (Academic module), Result published on October 20, 2018  
Band score: 8.0 (CEFR Level: C1)  
Listening: 9.0, Speaking: 8.0, Reading: 9.0, Writing: 7.0

## Open Source Contribution

- ★ [sandoche/Darkmode.js](#): A Node.js package for adding a dark-mode toggle to a website.
- ★ [howtocode.com.bd/git.howtocode.com.bd](http://howtocode.com.bd/git.howtocode.com.bd): A website containing a series of tutorials on Git in Bengali.

## Work Experience

### Junior Software Engineer at Dynamic Solution Innovators Ltd., Dhaka, Bangladesh

February 2019 – Present

**DSi** is an enterprise software company. Currently working here on Node.js-stack.

#### ✓ **Project: Olwel**, August 2019 – Present

**Description:** The solution for Olwel, a startup that provides telemedicine and essential doorstep healthcare services in Bangladesh. [[Official Website](#)]

##### **Contribution:**

- Adding new features on both server-side (Hapi.js) and client-side (React.js, Electron.js) software.
- Upgrading Node.js packages on the client-side software.
- Wrote database migrations (RethinkDB) for doctor visits during 2019 dengue outbreak in Dhaka.

#### ✓ **Project: OpenCRVS**, March 2019 – July 2019 [[Official Website](#)]

**Description:** A system supporting Civil Registrations and Vital Statistics (CRVS) for registering citizens' vital events like birth, death, marriage etc.

##### **Contribution:**

- Added features on client-side application using React.js.
- Wrote unit and integration tests using Jest and Cypress.

### Software Developer at VWY Aerospace, Dhaka, Bangladesh

January 2017 – May 2018

A tech startup focused on aviation-based solutions. Part-time employment.

**Project: NODES**, an airline management software that uses linear optimization to maximize usage of resources.

**Contribution:** Developed the desktop application using Windows Forms.

### Research Assistant at North South University, Dhaka, Bangladesh

November 2016 – December 2016

Part-time employment under the Department of Environmental Science and Management.

**Research project:** "Satellite-based Navigation in Civil Aviation: Performance Evaluation in the Context of Bangladesh". [[News Article](#)]

## Personal Projects

- ❑ **Kon School?** — ASP.NET Core, MongoDB, JavaScript, Node.js  
[Live: [Azure](#) | [Heroku](#)] [GitHub: [maacpiash/KonSchool](#), [maacpiash/konschool-mlab-host](#)] [Docker Hub: [maacpiash/KonSchool](#)]  
Fuzzy-AHP-based recommendation system for secondary schools in Bangladesh.
- ❑ **Winston** — C, Cmake [GitHub: [maacpiash/Winston](#)]  
A library of basic AI and machine learning algorithms. *WIP*.
- ❑ **Vardict** — Node.js, TypeScript [NPM: [vardict](#)] [GitHub: [maacpiash/vardict](#)]  
A basic package for parsing labeled CLI arguments in Node.js.
- ❑ **Dante** — ASP.NET Core, Entity Framework Core, Identity Framework  
[GitHub: [maacpiash/Dante](#)]  
A blog web application, with CRUD and user auth functionalities.
- ❑ **Bangla News Scraper** — JavaFX, JSoup, Maven  
[GitHub: [maacpiash/BanglaNewsScraper](#)]  
A cross-platform desktop app that scrapes news articles from a news portal.