# Md. Abdul Ahad Chowdhury

+8801677701431 • Skype: maacpiash
ahadc@maacpiash.com • www.maacpiash.com
GitHub: maacpiash • LinkedIn: maacpiash

Full stack web developer and AI aficionado based in Dhaka, Bangladesh.
Team player • Dedicated • Inquisitive

## 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, Python, C
- **ASP.NET Core stack:** Web API, EF Core, Identity Framework, Razor, Blazor, SignalR, gRPC, xUnit
- **JavaScript/Node.js stack:** React.js, Angular, Express.js, Jest
- **Desktop app development:** Windows Forms, WPF, Electron.js

## 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)
  Speaking: 8.0, Listening: 9.0, Reading: 8.0, 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
  A website containing a series of tutorials on Git in Bengali.

## Work Experience

**Junior Software Engineer** at **Dynamic Solution Innovators Ltd.**
*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 healthcare startup [Official Website]
  **Contribution**:
  o Adding new features on both server-side (Hapi.js) and client-side (React.js, Electron.js) applications.
  o Wrote database migrations (RethinkDB) for doctor visits during 2019 dengue outbreak in Dhaka.

- **Project**: **OpenCRVS**, *March 2019 – July 2019*
  **Description:** A system supporting Civil Registrations and Vital Statistics (CRVS) for registering citizens' vital events. [Official Website]
  **Contribution**:
  o Added features on client-side application using React.js.
  o Wrote unit and integration tests using Jest and Cypress.

**Software Developer** at **VWY Aerospace**
*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**
*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
  [GitHub: maacpiash/vardict] [NPM: vardict]
  A basic package for parsing labeled CLI arguments in Node.js.

- **Dante** — ASP.NET Core, EF Core, Identity Framework
  [GitHub: maacpiash/Dante]
  A blog web application, with CRUD and user auth functionalities.

- **Bangla News Scraper** — Java, JavaFX, JSoup, Maven
  [GitHub: maacpiash/BanglaNewsScraper]
  A cross-platform desktop app that scrapes news articles from a news portal.