

MOHAMMAD ABDUL AHAD CHOWDHURY

Graduate Student of Data Science • Full-Stack Web Developer • AI and ML Enthusiast

@ ahad@maacpiash.com

+61482605155

www.maacpiash.com

maacpiash

www.linkedin.com/in/maacpiash

WORK EXPERIENCE

Apollo International

Software Engineer

20 Apr 2021 – 10 May 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

1 Feb 2019 – 31 Jan 2020 Dhaka, Bangladesh

Full-time employment developing enterprise web applications.

Projects: The [OpenCRVS project](#) ([technical details](#), [commits](#)) and the full-stack solution of [Olwel](#), a healthcare startup ([technical details](#)).

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

Responsibilities:

- Addition of features and bug-fixes to the client-side software.
- Addition features and optimizations to the server-side software.
- Optimization of database queries and database migration scripts.
- Composition of unit and end-to-end tests.

North South University

Research Assistant

1 Nov 2016 – 30 Apr 2018 Dhaka, Bangladesh

Part-time employment under the Department of Environmental Science & Management ([website](#)) ([relevant news article](#)).

Projects: NODES, an airline management system that uses linear optimization to maximize utilization of resources.

Stack: .NET Framework (4.x), Windows Forms.

Responsibility: Development of the front-end software of NODES.

EDUCATION

Sydney Polytechnic Institute

Master of Data Science

Oct 2023 – July 2024 Sydney, Australia

- Notable Coursework: Mathematical Foundations and Algorithm Designs, Database Systems and Infrastructure, Machine Learning and Data Mining, Data Visualisation and Tools, Natural Language Processing and Applications

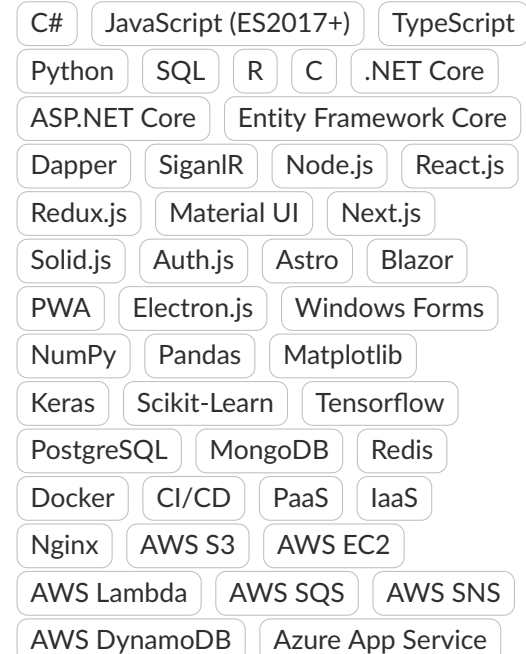
North South University

Bachelor of Science in Computer Science and Engineering

Jan 2014 – Aug 2018 Dhaka, Bangladesh

- Capstone project: Fruit Image Classification Using Convolutional Neural Networks
- Notable Coursework: [Repositories on GitHub](#)

TECHNICAL SKILLS



PERSONAL PROJECTS

KonSchool

- Fuzzy-AHP-based recommendation system for secondary schools in Bangladesh.
- Tech-stack: ASP.NET Core (Web API, Razor pages), MongoDB.
- Status: Completed, with unit and e2e tests (xUnit and Moq) at 95% coverage.
 - Another version is in development, with separate web APIs and a front-end developed with Blazor.
- Categories: Web application.
- Links: [GitHub repository](#), [Hosted on Azure App Service](#), [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](#)

Winston

- Implementation of neural networks from scratch.
- Tech-stack: C, CMake.
- Status: In development (early stage)
- Categories: Machine learning, Deep learning
- Links: [GitHub repository](#)