Mohammad Abdul Ahad Chowdhury

Unit 11, 53 Constitution Road, Meadowbank, NSW 2114
www.maacpiash.com
LinkedIn: https://linkedin.com/in/maacpiash

Mobile: +61482605155
Email: ahad@maacpiash.com
Skype: maacpiash
GitHub: https://github.com/maacpiash

PROFILE SUMMARY

Bangladeshi graduate student of data science, with one year of full-time professional experience in full-stack web development. Polyglot programmer, problem solver, team player. Skilled in developing high-performance cloud-native web apps using ASP.NET Core and MERN-stack. Proficient in building solutions with machine learning and deep learning technologies. Currently looking for part-time employment or an internship in the IT industry.

EDUCATION

- **Macquarie University**   Sydney, New South Wales, Australia
  Master of Data Science   *February 2020 – May 2022*
  Coursework: Data Science, Big Data

- **North South University**   Dhaka, Bangladesh
  Bachelor of Science in Computer Science and Engineering   *January 2014 – August 2018*
  Capstone project: Fruit Image Classification Using Convolutional Neural Networks
  Coursework: Artificial Intelligence, Theory of Fuzzy Systems, Software Engineering, Microprocessor Interfacing & Embedded System, Computer Graphics

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 features and components; fixed bugs; optimized API calls and database queries; wrote database migration scripts; wrote unit tests. [View my commits for OpenCRVS on GitHub here]

- **North South University**   Dhaka, Bangladesh
  Research Assistant   *November 2016 – April 2018*
  Part-time employment under the Department of Environmental Science and Management. (relevant news article)
  Responsibility: Developed the front-end software (Windows Forms) of NODES, an airline management system.

TECHNICAL SKILLS

- **Programming languages**: C#, JavaScript (ES6), TypeScript, Python, C, Java, C++, R
- **Web development**: ASP.NET Core, Entity Framework Core, SignalR, Blazor, Node.js, Express.js, Hapi.js, Nest.js, React.js, Next.js, Vue.js, Angular (2+), Webpack, PWA, ReST, GraphQL, Socket.IO, Microservices architecture
- **Machine learning & data science**: Jupyter Notebook, NumPy, Pandas, NLTK, Scikit-Learn, ML.NET
- **Desktop app development**: Windows Forms, WPF, UWP, Electron.js, JavaFX
- **Database systems**: MongoDB, MySQL, Microsoft SQL Server, PostgreSQL, SQLite, RethinkDB
- **DevOps**: Docker, Heroku, Azure App Service, MongoDB Atlas, basic CI/CD

PERSONAL PROJECTS

- **KonSchool**: Fuzzy-AHP-based recommendation system for secondary schools in Bangladesh. – ASP.NET Core, Docker, MongoDB [GitHub • Azure • Heroku • Docker]
- **Connery**: Fruit-image-classifier using convolutional neural networks. – ML.NET, ASP.NET Core [GitHub • API Swagger]
- **AddLicenseHeader**: A CLI tool that adds a license header on top of source files. – .NET Core [GitHub • NuGet package]
- **Vardict**: A basic Node.js package for parsing labeled CLI arguments. – Node.js, TypeScript [GitHub • NPM package]
- **Prospect**: An app for reading the latest posts from popular coding blogs at one place. *WIP* – Node.js, TypeScript, React.js, Next.js, Nest.js, PostgreSQL, GraphQL, Docker [GitHub]

PUBLICATION

- Selection of Most Suitable Secondary School Alternative by Multi-Criteria Fuzzy Analytic Hierarchy Process. https://doi.org/10.1007/978-3-319-98678-4_29
- Fruit Image Classification Using Convolutional Neural Networks. https://doi.org/10.4018/IJSI.2019100103
- Fusion of BWM and AHP MCDM Methods to Choose the Most Suitable Secondary School for an Individual in the Context of Bangladesh. https://doi.org/10.1142/s2196888819500167