



NOWSHAD R

Python, ML, FastAPI, Node Js, JavaScript, MongoDB, MySQL
Helsinki, Finland

EDUCATION

Master of Engineering <i>Information Technology (4.75/5.00)</i> Metropolia University of Applied Sciences	2024 – May 2025 Helsinki, Finland
Bachelor of Engineering <i>Computer Science and Engineering (3.75/4.00)</i> Metropolitan University	2016 – 2019 Sylhet, Bangladesh

WORK EXPERIENCE

Machine Learning Engineer Huawei Technologies Oy (Finland) Co. Ltd	May 2025 – Present Helsinki, Finland
<ul style="list-style-type: none">Build and refine ML models for battery health and lifecycle using test data, analysis measurement data, and align insights with HQ for BMS optimization.Technologies: ML, Python, Deep Learning, Neural network, LSTM, Conda, Fine-Tune, TensorFlow, PyTorch, SimPy, Scikit-learn, CodeLab, Data Pipeline, Matlab.	
Machine Learning Intern Huawei Technologies Oy (Finland) Co. Ltd	Jan 2025 – Apr 2025 Helsinki, Finland
<ul style="list-style-type: none">Build ML models for battery health and lifecycle prediction, extract key usage features from open-source data, and collaboration with simulation engineer.Technologies: ML, Python, Conda, Fine-Tune, TensorFlow, PyTorch, SimPy, Scikit-learn, CodeLab, Data Pipeline, Matlab.	
Software Engineer Intern Digi Energia Oy	Oct 2024 – Dec 2024 Helsinki, Finland
<ul style="list-style-type: none">FinTech payment system integrating in EV charging systemTechnologies: Python, MongoDB, FastAPI, JavaScript, AWS, GitLab, Git, CI/CD, Stripe.	
Senior Software Engineer YO-TECH LTD	Mar 2023 – Sept 2024 Sylhet, Bangladesh
<ul style="list-style-type: none">Develop complex REST APIs, integrate Stripe for custom product payments, and implement advanced ML technologies in core products, including EPOS and payment systems.Technologies: NodeJS, MongoDB, Python, FastAPI, JavaScript, AWS, Caching, Redis, PostgreSQL, Airflow, GCP, GitLab, Git, CI/CD.	
AI Engineer (Contract) Carbarn	Jan 2023 – Mar 2023 Dhaka, Bangladesh
<ul style="list-style-type: none">Design and build scalable data pipelines, build model and optimize data for analytics for AI chatbot, with collaboration stakeholders to deliver insights.Technologies: Python, Conversational AI, GenAI, Apache Airflow, Spark, BeautifulSoup, Scrapy, Selenium.	
Lead Software Engineer ORDERVOX LTD	Jan 2021 – Dec 2022 Sylhet, Bangladesh
<ul style="list-style-type: none">Design a cost-optimized cloud architecture while simultaneously managing the project using Agile methodology and leading 8-member core development team.Technologies: Python, PHP, FastAPI, Data Pipeline, Docker, Kubernetes, AWS Lambda, AWS EC2, SES, Route 53, PL/SQL, ECS, RDS, Caching, Redis, Codeigniter, Javascript, Java.	
Software Engineer ORDERVOX LTD	Dec 2019 – Dec 2020 Sylhet, Bangladesh

- Build complex scalable and automated applications for 350+ restaurants online order solution.
- Deploy application on cloud, maintain and build new features with management requirements.
- Technologies: Python, PHP, FastAPI, Data Pipeline, Docker, AWS, Codeigniter, Javascript, Java, Ajax, Gitlab.

Software Engineer Intern

Jan 2018 – Dec 2019

Parking koi INC

Sylhet, Bangladesh

- Implement and maintain google map api for car parking solution with Restful api, deploy in the AWS server.
- Technologies: PHP, Google map API, Codeigniter, Ajax, Javascript, Git.

RESEARCH AND SKILL

Using Open Source LLM Model for Medical Transcription

Metropolia University of Applied Sciences, Helsinki, Finland (Spring 2025) (Published on Theseus)

- ML, LLMs, Python, Conda, Fine-Tune, TensorFlow, PyTorch, SimPy, Scikit-learn, CSC cloud services, Overleaf, Lucidchart, LaTeX, Rails

ANOVA-based Automatic Attribute Selection and a Predictive Model for Heart Disease Prognosis

Lakehead University, Thunder Bay, Canada (Fall 2024) (Peer review on IEEE Transactions on Big Data)

- ML, Python, Data Analysis, Logistic regression, SVM, Decision tree, K-NN, Multinomial NB, Categorical NB, Scikit-learn, Overleaf, Lucidchart, LaTeX, Rails, OCaml, Matlab

Heart Disease Prognosis Using Machine Learning Classification Techniques

Metropolitan University, Sylhet, Bangladesh (Fall 2021) (Published on IEEE Xplore)

- ML, Python, Data Analysis, Logistic regression, SVM, Decision tree, K-NN, NB, Scikit-learn, PHP, MySQL

CONFERENCES AND PRESENTATIONS

AI in AEC 2025 Conference

19–20 March 2025

Paasitorni Congress Centre, Helsinki, Finland

2025 Huawei Future Deviece Technology Summit (Aurora Summit)

03-04 February 2025

Oulo, Finland

2021 6th International Conference for Convergence in Technology (I2CT)

02-04 April 2021

IEEE Conference, Maharashtra, India

HONORS AND AWARDS

Best Employee of the Year 2023 (Yo-Tech LTD)

January 2024

Award for implementation of complex ML in the EPOs and payment system

Received Vice Chancellor Award

2018

Recognition for to 3% of students in academics at Metropolitan University

45th/190 (teams) ICPC Virtual Dhaka Regional Contest

2017

Team award from ICPC.

5th/150 MU Intra University Programming Contest

2017

Programming contest in the University.

1st Place Chess Olympiad, Bangladesh

2012

Awarded from Bangladesh Chessboard.

RESEARCH TEAM

Metropolia Medical Scribes Team

2024 – Spring 2025

Research group of Metropolia University about Medical Scribe.

Helsinki, Finland

Vision Intelligence and Data Lab (Collaboration)

2022 – 2024

Research group of Lakehead University's for Machine Learning on Healthcare.

Ontario, Canada

SKILLS

Languages: English (C1), Finnish (Beginning)

Document Creation: Microsoft Office Suite, LaTeX, Overleaf, Lucidchart,