Jesun Ahmad Ushno

AI Engineer & Data Specialist

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SUMMARY

AI Engineer and Data Specialist at Gallea Ai in Toronto, working on production retrieval-augmented generation (RAG) and multi-agent orchestration. Published machine learning researcher with two AIP Conference Proceedings papers. Founder and CEO of Jesun.Ai, and creator of Jesun.Code, a plain-English programming language. Holds an MSc in Data Analytics (Graduated With Distinction, 2026). Previously IT Advisory at KPMG Bangladesh, Officer to Consultant.

EXPERIENCE

Gallea Ai, Toronto - AI Engineer & Data Specialist Aug 2026 to Feb 2027 (fixed term)

- Build and ship production retrieval-augmented generation systems and multi-agent orchestration for applied AI products.
- Applied machine learning and data engineering as part of the Toronto engineering team.

Jesun.Ai, Toronto - Founder and CEO Sep 2026 to present (founded Sep 21, 2026)

- Founded a Toronto based AI company working on applied AI systems, multi-agent orchestration, and AI engineering and automation services.
- Creator of Jesun.Code, a programming language designed to read like plain English.

mentAImage, Toronto (Remote) - Advanced Data Analytics and Machine Learning Intern

- Built the dynamic feature extraction pipeline for drawing-modality biomarker research on psychomotor drawing tests. Jan 2026 to Mar 2026
- Extracted temporal and kinematic signals, including tremor, pauses, speed, and pressure, explored in relation to stress, anxiety, burnout, and cognitive load.
- Open-source implementation: PulseKey (GitHub).

KPMG Bangladesh - IT Advisory, Officer to Consultant Apr 2023 to Nov 2024

- Delivered 20+ Power Automate workflows and 20+ Power BI dashboards for advisory clients.
- Led and supported 5+ ISO 27001 audits.
- Built PowerApps applications used by 500+ users.

MIAS Foundation - Co-founder Aug 2018 to Nov 2024

- Co-founded a humanitarian foundation whose programs reached 50,000+ families, including flood relief work.
- Education programs supporting 5,000 children.

EDUCATION

MSc Data Analytics - University of Niagara Falls Canada

Conferred Jun 21, 2026. Graduated With Distinction. CGPA 3.9154

BSc Computer Engineering - American International University-Bangladesh (AIUB)

2018 to 2023. CGPA 3.20

PUBLICATIONS

- “Designing an autonomous framework to detect and classify the fabric defects using wavelet transform and neural network.” AIP Conference Proceedings, 2023. DOI: 10.1063/5.0148618
- “An elitist particle swarm optimization with mutation operator and adaptive inertia weight for global optimization.” AIP Conference Proceedings, 2023. DOI: 10.1063/5.0148658
- Book: *A Beginner’s Guide to The Future Data Analyst’s*, 2025.

Research profiles: Google Scholar | ORCID | Semantic Scholar (6 citations)

SELECTED PROJECTS

- **Jesun.Code** - a plain-English programming language, created by Jesun Ahmad Ushno.
- **Open source** - 30+ public repositories on GitHub, including PRISM, NoPara, TriDrop, SonicClear, BigFish, and PulseKey.

SKILLS

- **Languages:** Python, TypeScript, SQL, Java
- **Machine learning and data:** ML systems, data analytics, retrieval-augmented generation, multi-agent orchestration
- **Web:** React, Next.js
- **Automation and BI:** Power Platform (Power Automate, Power BI, PowerApps)
- **Cloud:** GCP (primary), Azure, OCI, AWS