BILLAL HOSSAIN SHISHIR

Information Technology | Artificial Intelligence, Data & Software

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PROFESSIONAL SUMMARY

Bachelor of Information Technology student majoring in Artificial Intelligence at the University of Tasmania, with a GPA of 6.11 and hands-on experience across AI and machine learning, cloud data processing, algorithms, web technologies and client-based software delivery. Project Manager for RAMIFY OS, coordinating requirements, testing, documentation, team responsibilities and client feedback for an auditable AI product-trust demonstration. Built and evaluated machine-learning models in Python and developed data-structure and graph-algorithm projects in C. Brings strong customer service, teamwork and communication from ongoing customer-facing employment.

CORE TECHNICAL SKILLS

Programming & Web: Python, C, JavaScript, HTML, CSS, SQL, SQLite

AI & Data: pandas, NumPy, scikit-learn, machine-learning classification, model evaluation, GridSearchCV, Jupyter Notebook

Algorithms & Data Structures: Arrays, linked lists, AVL trees, hash tables, weighted graphs, Dijkstra shortest path, binary-heap priority queues

Cloud & Systems: Nectar Cloud, distributed processing, AWS fundamentals, Linux, Windows, UNIX shell scripting

Development: Git/GitHub, REST/API concepts, VS Code, unit testing, performance benchmarking, structured JSON

Project & Delivery: Requirements analysis, functional testing, documentation, stakeholder communication, presentations, project coordination

PROFESSIONAL EXPERIENCE

Project Manager - RAMIFY OS

University Industry Project | Hobart, TAS | Jul 2026 to Present

- Lead project planning and coordination for a browser-based AI product-trust demonstration that produces auditable decision receipts from structured product evidence.
- Coordinate project scope, requirements, team responsibilities, testing, documentation and client feedback while supporting mandatory human-review workflows.
- Manage deliverables including architecture material, user guidance, scripted demonstrations and final presentation preparation across multiple trust scenarios.

Customer Service Representative

Bennett's Petroleum | Hobart, TAS | Oct 2024 to Present

- Provide responsive customer service, handle transactions and resolve enquiries in a fast-paced environment while maintaining accuracy and clear communication.
- Complete day-to-day operational tasks, identify recurring issues and contribute practical solutions while working independently and as part of a team.

Crew Member

McDonald's Rosny Park | Hobart, TAS | Jun 2024 to Sep 2024

- Processed customer orders and transactions accurately, coordinated with kitchen colleagues and maintained organised work areas during busy service periods.

Customer Service Assistant

Gadget and Gear | Dhaka, Bangladesh | Apr 2023 to Dec 2023

- Assisted customers with product enquiries, recommendations, payments, returns and complaint resolution while supporting stock replenishment and inventory checks.

SELECTED PROJECTS

Cloud Data Processing & Machine Learning

KIT318 - University of Tasmania | Feb 2026 to Jul 2026

- Served as Project Manager and built/tested Worker 3 in a distributed Nectar Cloud workflow, transforming cleaned data by encoding categorical variables and preparing numerical features for machine learning.
- Used Python, pandas and scikit-learn to compare Logistic Regression, Decision Tree and Random Forest classifiers on a prepared dataset of 1,221 records, using accuracy, precision, recall, F1 and ROC-AUC.
- Applied cross-validation and GridSearchCV for model tuning; the best tuned model achieved an F1 score of approximately 0.814.

Data Structures & Algorithms Projects

KIT205 - University of Tasmania | Feb 2026 to Jul 2026

- Built a food-delivery order database prototype in C using arrays, AVL trees, hash tables and linked lists, then benchmarked search performance across increasing dataset sizes; AVL trees performed best overall in the evaluation.
- Implemented emergency route planning in C using weighted adjacency-list graphs, Dijkstra shortest path and a binary-heap priority queue, including route reconstruction and robustness checks.
- Created and ran 24 unit tests covering graph operations, the priority queue, shortest-path behaviour, route reconstruction and invalid or unreachable cases; all 24 tests passed.

INDUSTRY & RESEARCH ENGAGEMENT

Open Innovation Hackathon - TasNetworks x University of Tasmania x AWS

May 2026

Collaborated over three days to design and present a prototype solution for a real-world Tasmanian energy-sector challenge, applying teamwork, rapid problem-solving and AI/cloud concepts.

DataEngBytes Melbourne 2026

23-24 Jul 2026

Attended industry sessions covering AI engineering, GraphRAG, Snowflake, synthetic data, observability, data architecture and agent workflows.

EDUCATION

Bachelor of Information Technology - Major in Artificial Intelligence

University of Tasmania, Hobart TAS | Feb 2024 to Expected Feb 2027 | GPA 6.11

International First Year Diploma Science

University of Tasmania | Feb 2024 to Feb 2025

ADDITIONAL

Location: West Hobart, Tasmania
References: Available on request