

RAMAN JOSHI

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PROFILE

Master of Applied Computing student at University of Windsor with hands-on experience in full-stack development, data engineering, and real-time systems through internships at KPMG and Plutonic Services. Proficient in Python, Java, React, and modern frameworks with expertise in building ETL pipelines, optimizing application performance, and implementing CI/CD workflows. Strong foundation in algorithms, system design, and Agile methodologies, complemented by AWS certification.

TECHNICAL SKILLS

Programming Languages:	Python, Java, JavaScript (ES6+), TypeScript, C/C++, SQL, HTML/CSS
Web & Backend:	React.js, Node.js, Django, RESTful APIs, Kafka, Flutter
Data & Storage:	PostgreSQL, MongoDB, ETL Pipelines, Data Warehousing, Tableau
DevOps & Cloud:	Docker, AWS Cloud, GitHub, CI/CD Pipelines, Babel, Webpack
Tools:	VS Code, IntelliJ, Android Studio, Git/GitHub, Linux/UNIX, Shell Scripting, Jira
Concepts:	Agile (Scrum), Data Structures & Algorithms, System Design, Unit/Integration Testing

SOFT SKILLS

Communication (verbal and written), Team Collaboration, Problem Solving, Analytical Thinking, Attention to Detail, Time Management, Adaptability, Leadership, Stakeholder Management, Conflict Resolution

EDUCATION

Master of Applied Computing University of Windsor Final semester requires a 4- or 8-month internship starting in May 2026	May 2025 – Present Windsor, ON
Bachelor of Technology in Computer Science & Engineering Punjab Technical University GPA: 3.8/4	Jun 2020 – Apr 2024 India

INTERNSHIP EXPERIENCE

Digital Government Advisory Intern <i>KPMG</i>	Apr 2024 – Jun 2024 Noida, U.P., India
<ul style="list-style-type: none">Built and optimized React + Python applications, accelerating feature delivery and improving development speedRefactored core modules for maintainability, decreasing technical debt and code duplicationApplied profiling and debugging tools, cutting load times and improving stability across production appsCreated automated unit and integration tests, simplifying QA cycles and improving release reliabilityCollaborated in an Agile team, achieving high sprint completion through cross-functional communicationStreamlined GitHub workflows and CI/CD pipelines, reducing integration issuesSupported client-facing deployments, lowering incident tickets and improving user satisfaction	

Full-Stack Developer Intern <i>Plutonic Services Pvt. Ltd.</i>	Jan 2024 – Mar 2024 Noida, U.P., India
<ul style="list-style-type: none">Designed responsive UI features with React, Flutter, and JavaScript, improving usability and engagementBuilt real-time reporting systems for usage monitoring, reducing downtime incidentsImplemented refactoring and optimization techniques, reducing load times across modulesIntegrated REST APIs with front-end systems, lowering bug reports and improving system stabilityConducted unit and load testing, improving production deployment success rateProposed design patterns and coding practices, decreasing onboarding time for new engineersPartnered with QA and UX teams, improving delivery accuracy and reducing rework	

Research Intern

National Institute of Technology Karnataka (NITK)

Jul 2022 – Dec 2022

India

- Researched image processing and encryption algorithms, improving recognition accuracy using MATLAB
- Developed secure transmission models, strengthening data protection and reducing vulnerabilities
- Optimized data transformation processes, reducing processing time during experimental runs
- Collaborated on academic publications in AI-driven recognition and secure communication

PROJECTS

Retail Demand Forecasting & ETL Automation Pipeline

Sep 2025 – Nov 2025

Python, PostgreSQL, Kafka, Tableau

- Built an end-to-end retail demand forecasting system with a real-time ETL pipeline using Python, PostgreSQL, Kafka, and Tableau
- Designed a data warehouse (Fact & Dimension tables) and automated ETL pipelines to clean, validate, and load historical/streaming sales data
- Simulated live retail transaction streams using Kafka producers/consumers for real-time analytics
- Developed time-series forecasting models (ARIMA/LSTM) to predict demand and support inventory planning
- Delivered interactive Tableau dashboards for KPIs, live insights, and forecasting outcomes

Credit Crawler – Data Extraction & Comparison System

Jun 2025 – Aug 2025

Java, Spring Boot, Selenium, JSoup, PostgreSQL

- Built a Java scraper with Selenium + JSoup to extract credit-card data from major Canadian banks; nightly run finishes < 30 minutes with 98% parses
- Implemented Boyer–Moore/KMP, Trie, Heap (Top-K), and AVL Tree indexing to improve query performance
- Exposed Spring Boot REST APIs with response caching and idempotent endpoints, reducing median latency under concurrent filters
- Developed a lightweight JavaScript compare UI (APR/fees/rewards filters, side-by-side view), improving task completion time in pilot tests
- Secured access with JWT, added robots.txt checks and JUnit tests to reach 80% coverage

Fit-Sync App – Gym Management System

Jan 2024 – Mar 2024

React, Node.js, MongoDB

- Built a multi-gym scheduling platform with React and Node.js to improve booking efficiency
- Integrated secure payments and mobile support to improve engagement
- Optimized APIs to reduce average response latency

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Solutions Architect – Associate

Global Rank 545 – TCS CodeVita Season 13

Competed in **Hackathon** Robotrix 2.0 (NIT Allahabad)

Participated in ML/AI Quiz organized by **IIT Roorkee (IITR)**