Raman Shrikant

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Education

Toronto Metropolitan University — Toronto, ON
Bachelor of Science in Computer Science, Co-op — *Sept 2024 – Exp. May 2028*

- Faculty of Science Deans List: 2024 – Present

Experience

Software and Systems Intern — Aug 2022 – June 2023
SoundAdviceB2B — *Markham, ON*

- Designed and deployed software-integrated communication systems, improving reliability and uptime across client networks
- Coordinated large-scale device rollouts (1,000+ endpoints), applying technical troubleshooting and configuration validation
- Provided technical support and scripting assistance to ensure smooth integration of deployed systems in enterprise environments
- Collaborated in cross-functional teams to deliver end-to-end system deployments and strengthen problem-solving skills applicable to software engineering

Projects

MLB Live Score Tracker | *Node.js, Express, JavaScript, React, PostgreSQL, Tailwind*

- Created a full stack MLB Live Score Chrome Extension with **55+** active users with real-time score updates, pinned favorites, and a responsive Tailwind UI
- React: Built an MV3 popup (Vite) with reusable components (GameCard, Favorites), eastern time only rendering, and client-side caching.
- Node/Express: Deployed a REST API on Render that fetches/normalizes MLB data and serves /fixtures?date=YYYY-MM-DD with CORS + env config.
- SQL (PostgreSQL): Used Neon Postgres with Prisma schema/migrations to persist fixtures/teams; indexed keys for fast reads.
- Tailwind CSS: Implemented a responsive card UI with compact styles and hover animations.

Food Freshness Analyzer | *Python, JavaScript, Flask, React, OpenCV, TensorFlow, MobileNetV2, C++*

- Developed a full-stack AI web application using Python (Flask), TensorFlow Lite, OpenCV, and React to classify food images as Fresh, Aging, or Spoiled in real time.
- Integrated a custom C++ OpenCV module for dark-spot detection, seamlessly invoked from the Flask backend for performance-critical analysis.
- Implemented a responsive React frontend (Vercel) and Flask API (Railway) with secure CORS and cloud deployment pipelines.
- Trained a fine-tuned MobileNetV2 model achieving high classification accuracy using a custom dataset of 300+ curated images.

Soccer Live Score Tracker | *Java, JavaScript, Spring Boot, React, Tailwind, AWS DynamoDB (NoSQL), Docker*

- Developed a cloud backed, Chrome Extension for live soccer scores and events (Big 5 leagues + Champions League) with personalized team/league pinning and AI integration to provide game summaries.
- Spring Boot (Java): Built backend services that act as a secure layer between the frontend and third-party soccer APIs, ensuring API keys are hidden, and only necessary data is exposed to the Chrome Extension.
- React/Tailwind: Developed a responsive, interactive popup interface optimized for fast score updates.
- AWS DynamoDB (NoSQL): Implemented cloud persistence for users' favorite clubs/leagues
- AI integration: Integrated OpenAI to generate 2–3 sentence natural-language game summaries for completed matches.
- Docker: Containerized backend for portability and deployment readiness.

Technical Skills

Languages: Python, Java, JavaScript, HTML/CSS, C/C++, Bash, SQL
Frameworks: React, Node.js, Flask, Express, Tailwind, Spring, Spring Boot, Prisma
Developer Tools: Git, GitHub, VS Code, Linux/UNIX
Cloud, Databases and DevOps: AWS (DynamoDB, S3, IAM), PostgreSQL, NoSQL, CI/CD