Ruhan Pandit

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EDUCATION

B.S., Computer Science; Minor in Mathematics **Expected May 2028**
New York University

WORK EXPERIENCE

Software Engineering Intern | Humana **May 2026 – Aug 2026**
- Led a full end-to-end refactor of a legacy production Databricks pipeline (Python) across the bronze, silver, and gold layers of a medallion architecture, processing 35M member demographic records daily
- Replaced unstructured logging with a centralized observability pattern and standardized exception handling across pipeline stages, making failures traceable to their source
- Decoupled business logic from notebook orchestration into reusable modules and authored the team's architecture and coding-convention documentation

Web Development Intern | ASCENDtials **Feb 2026 – Apr 2026**
- Redesigned volunteer onboarding for a wellness nonprofit using WordPress/Elementor
- Integrated automation tools to centralize applicant tracking, reducing manual admin work

AI Intern | Generative AI MVP **Jul 2024 – Sep 2024**
- Built an NLP model on a 3-person team that replicates a user's writing style from their X and Reddit posts
- Delivered weekly milestones in an agile workflow and presented the final model to the CEO

PROJECTS

Ledge | React, TypeScript, Node.js, Express, SQLite **Jul 2026**
- Built a full-stack futures trade journal with Express REST API and SQLite, featuring a trade log, strategy definitions, and a custom tag taxonomy for setups and mistakes
- Built a performance dashboard (Recharts) breaking down results by strategy and tag to surface patterns across trades, used to journal my own funded futures account

Resolve (Humana Hackathon) | Python, Google ADK, Gemini 2.5 Flash, FastAPI **Jul 2026**
- Built a multi-agent voice assistant on a 5-person team that answers healthcare member questions about claims, benefits, and coverage
- Designed the root orchestrator that routes each request to specialized claims, benefits, privacy, and compliance agents and merges their outputs into one plain-language answer

YAC Over Expected (NFL Big Data Bowl, NYU Edition) | Python, pandas, NumPy, scikit-learn **Nov 2026**
- As sole developer on a 3-person team, modelled YAC on 4,440+ catches from NFL tracking data
- Designed a simulation-based "open-field" metric that races defenders to each spot at the throw, explaining ~40% more short-throw YAC variance than nflverse's xYAC model (R^2 0.093 to 0.129)
- Ranked 117 WRs, TEs, and RBs by YAC over expected to separate receiver skill from coverage

NYU Metaverse for Education (VIP) | Unity, C#, XR Interaction Toolkit **Jan 2026 – May 2026**
- Built a VR digital twin of the Tormach PCNC 440 mill, using a state machine to animate its moving parts
- Wrote C# editor tooling to batch-assign PBR materials across 180+ meshes for a VR MakerSpace replica

TECHNICAL SKILLS

Languages | Python, Java, C/C++, C#, HTML/CSS/JS, SQL
Frameworks & Tools | TensorFlow, NumPy, Pandas, Unity, Git, GitHub, Databricks, WordPress/Elementor