

Aarogya Rijal

(774) 502-1945 | ar5211@columbia.edu | aarogyarijal.com

EDUCATION

Columbia University: Columbia Engineering
MS in Data Science

New York, NY
Aug 2026 – Dec 2027

Worcester Polytechnic Institute (WPI)
BS in Computer Science; Major GPA: 4.0/4.0

Worcester, MA
Aug 2022 – May 2026

- Courses: SWE, AI/ML, DSA, Operating Systems, Statistics, Probability, and Linear Algebra.

PROFESSIONAL EXPERIENCE

1M Solutions Pvt. Ltd.
Co-Founder & Head of Engineering

Kathmandu, NP
Jan 2026 – Present

- Co-founded and scaled a company to a 10-person cross-functional team, delivering engagements to 7 clients.
- Own technical direction end to end; architecture, design, infrastructure across all proprietary products and custom software solutions.

FounderCloud (foundercloud.com)
Technical Lead

Portland, ME
Aug 2025 – Present

- Migrated production domain with 30K+ active users, handling redirects, DNS, analytics, and SEO configuration.
- Led full rebranding of 20+ pages, by completely redesigning website, graphics, and all site copy.
- Built a feed to share startup ideas and interact with it, driving active community engagement through posts, likes, and comments.

WPI Marketing & Communications
Software Engineer

Worcester, MA
Dec 2023 – May 2026

- Owned development of a multi-lingual Alexa skill on AWS, providing live campus news and media on Alexa-enabled Devices.
- Maintained 100+ production wpi.edu pages serving 60K+ monthly users, using Drupal, Laravel, TypeScript, SASS, and GitLab.
- Resolved 900+ production errors, and migrated JS to TS, reducing runtime errors by 98% and improving frontend reliability.
- Developed reusable Drupal components and site-wide features to support major campaigns, including President's Inauguration.
- Implemented automated alert systems to track profile changes, generate daily reports, and send critical notifications to admin.

Baato Maps & WPI
Product Research & Analyst

Kathmandu, NP
Oct 2024 – Dec 2024

- Sampled and interviewed 30 users from 100K+ userbase to identify market gaps, resulting in implementation of 5 new features.
- Co-authored market research on competitive advantages and challenges of building a locally relevant mapping platform.

Sirkoi (sirkoi.com)
Co-Founder & Tech Lead

Dhaka, BD
May 2025 – Jan 2026

- Secured \$20,000 for a tutor discovery platform and AI-native LMS and scaled it to 1000+ tutors and students.
- Reduced cloud infrastructure costs by 85% by migrating infrastructure to AWS with automated CI/CD pipelines.
- Led 100+ issues, 75+ PRs & 500+ commits across team in 4 time zones, while balancing technical debt with feature iteration.

PROJECTS

Khel (khel.it): Sports platform connecting 200+ users with 110+ venues; FastAPI and nginx on AWS EC2 with a Vercel frontend.

RogiBot: Multi-agent text-based assistant integrated with Brave Search, Github, Gmail, Google Calendar, Notion, Discord.

Flash News: React application that scrapes news and uses LLMs to generate short-form scroll-based news feed.

Webhooks-as-a-Service (with 7Factor): Secure, real-time event delivery service built in Next.js and deployed to AWS.

SmartPark: Computer-vision parking space detector (OpenCV, Django, Firebase). Best Use of Google Cloud, HackHarvard.

SKILLS

Languages: Python, JavaScript, TypeScript, Java, C, C++, SQL, Spark, MATLAB

Backend & Framework: FastAPI, Node.js, AdonisJS, Express, Nest.js, Django, Laravel, Rest APIs

ML & Data: OpenCV, Pandas, NumPy, scikit-learn, LLM APIs

Infrastructure: AWS (EC2, Lambda, S3, RDS/DynamoDB, CDK, IAM), Docker, PostgreSQL, MongoDB, Firebase, Hadoop

Tooling: Claude Code, GitHub Actions, GitLab CI, CI/CD, Git, Jest, REST APIs, Agile/Scrum, Figma