

DHRUV K SHETTY

Product Engineer | Full-Stack, Infrastructure & AI

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PROFESSIONAL EXPERIENCE

Truemark | *Enabling AI within Education*

Founding Engineer

New York, US

September '24 - Present

- Grew a 2-teacher pilot to 2,300+ teachers and 45,000+ students across 229 schools by shipping ~2 features a week.
- Rebuilt grading on an async queue for exam-day spikes, cutting peak failures 86% to 0.4% at 1,000+ submissions/hr.
- Shipped Word-style pagination (editable headers, footnotes, print) in the TipTap editor for 130,000+ essays, removing the “use Google Docs instead” objection from sales calls.
- Set up Langfuse evals on production traces, then used them to move rubric parsing to Gemini at ~65x lower cost.
- Untangled 3-domain sign-in for a pilot school district and supported it through launch, landing a \$24,000 contract.
- Integrated SSO, grade sync and rostering for 7 LMS platforms to pass procurement, helping win 50 school contracts.
- Turned a teacher’s complaint about the AI tutor into a measured 13.0% vs 5.5% over-help rate in 2 days from Langfuse traces, fixed the prompt, and made prompt replays the gate for every AI change.
- Owned the Google Docs assignment type end to end, lifting conversion by letting teachers keep the editor they trust.

Snacc | *AI nutrition tracker*

Co-founder & Engineer

New York, US

February '24 – September '24

- Created an AI calorie tracker in Flutter that estimates nutrition from meal photos using OpenAI vision.
- Shipped the beta in 2 months and grew it to ~1,000 users, helping raise \$30,000 in early funding.

Pyramid Developers | *Technology Development Studio*

Founder & Lead Engineer

Bengaluru, India + New York, US

January '20 – September '24

- Founded and ran a product studio of up to 30 engineers, owning client scoping, hiring and delivery of 40+ products.
- Led the team behind a food distribution platform on Firebase that scaled overnight to 45,000 users in 1,090 areas.
- Architected 3 Flutter apps (user, partner, admin) for a waste-pickup startup, run in production for 16 months.

TECHNICAL SKILLS

Programming Languages: Python, TypeScript, JavaScript, SQL, Java, Go, Dart

Core Development Skills: React, NextJS(web), Flutter (mobile), Django, Flask, FastAPI, Node, Rest APIs (backend)

Tools & Platforms: GCP (GKE, Cloud Run), Firestore, AWS, Docker, Kubernetes, Prometheus, Sentry, Langfuse

EDUCATION

New York University - Courant Institute & Stern School of Business

Master of Science in Computing, Entrepreneurship and Innovation. GPA : 3.88/4

Teaching Assistant - DevOps and Agile Methodologies.

New York, US

July '22 - December '23

PES University

Bachelor of Technology in Computer Science and Engineering.

Winner of Riskcovry Hackathon (2021), Winner of Prakalpa Ideathon (2019).

Bengaluru, India

June '18 - May '22

PROJECTS

Maigrate | *No-code platform to create AI copilots*

Founding Engineer

New York, US

May '23 – December '23

- Designed a no-code RAG chatbot builder; users add knowledge sources and embed the bot with one script tag.
- Deployed it on AWS (ECR, ECS, load balancer) with CI/CD and launched it with a pilot client.

Collision Prediction and Semantic Segmentation, NYU

Deep Learning with [Yann LeCun](#) - [Link to Github](#) + [Youtube](#)

New York, USA

January '23 – May '23

- Developed ‘WNet’, a dual-UNet video segmentation model, placing 2nd in NYU’s ML challenge (0.442 Jaccard).
- Trained the predictor autoregressively to generate one frame at a time, improving final-frame prediction accuracy.

INTERESTS

Volunteer teacher for underprivileged kids (Jyoti Program, 5 years) · State-level volleyball