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# DHRUVA VUTUKURY

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## EDUCATION

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### Foothill High School: Pleasanton, CA

Aug 2021 – Jun 2026

*Salutatorian* | GPA: 4.0/4.0 UW • 4.57/4.0 W | ACT: 35

- Activities: Robotics Captain, Hackathon Founder & Competitor, Physics Olympiad

### University of California, Los Angeles (UCLA)

Expected May 2030

*B.S. Electrical & Computer Engineering* | *Fast Track to Success Program*

- Selected for competitive honors program for a cohort of 25 incoming ECE students at UCLA

## EXPERIENCE

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### Outbound AI

Apr 2026 – Present

*Founder*

- Founded Outbound AI, a consumer voice AI agent platform; makes outbound phone calls on your behalf (appointments, reservations, negotiations); tasks given in plain English and an AI agent dials, speaks with a real person, and reports back with a transcript and result; call scheduling and batch calling integrated.
- Built fullstack: Deepgram Voice Agent API (STT to Gemini to TTS), Twilio, Exa for live search; Next.js, Node.js/Express, Supabase Backend, Railway + Vercel Deployment; custom audio transcoding pipeline (mulaw 8kHz to linear16 48kHz)
- Building towards B2B procurement angle with warm beta testers in manufacturing and automotive sourcing; parallel multi-supplier calling and multilingual outreach for international procurement

### UPenn M&TSI — Jerome Fisher Program in Management & Technology

Summer 2025

*Participant*

- Selected for M&TSI, a selective UPenn program combining engineering, entrepreneurship, product design, and venture development
- Won Best Product Award from Director of M&T Prof. Gad Allon (1st of 15 teams) for MallowMask; a smart sleep mask with LED wake lighting, vibration motors, thermal regulation, and mobile app control using Arduino Uno

### Competitive Robotics — Dublin Robotics Ranger

Aug 2021 – Jun 2026

*Team Captain*

- Captain and lead designer; built robot mechanisms in Fusion 360 and wrote C++ motion-control algorithms
- 2x World Championship Division Finalist, 1x World Championship Inspire Award, 2x US Open National Finalist

### Stellar Hacks Foundation

Sep 2024 – Present

*Founder*

- Founded STEM non-profit to organize hackathons, workshops, and outreach events; led logistics, sponsorship procurement, and team coordination across 3 main events and multiple online/sub events
- Raised \$8K+ for Child Rights and You (CRY) India

## PROJECTS

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### CORALS — Autonomous Underwater Drone for Coral Reef Restoration

Oct 2025

- Co-authored paper in Youth Innovation Journal (YIJ-2025-0001F) on CORALS, an autonomous aquatic drone for oxybenzone removal and coral reef restoration
- Designed USPTO provisional patent-pending system (#63/637,273) using 2D/3D CAD on Fusion 360 to develop schematics, diagrams, and flowcharts

### Personal AI OS

Nov 2024 – Present

- Built multi-agent personal productivity system in n8n with Claude as reasoning layer; integrates Telegram, Notion, Google Calendar, Gmail, and Todoist with voice/text routing and intent classification
- Implemented RAG search across personal knowledge base using Graphify and Obsidian; used Andrej Karpathy's Autoresearch for agent training; researched & implemented token optimization and agent parallelization tools; built iPhone Shortcuts

## HONORS & AWARDS

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- Hackathon Winner, Best Use of Retell AI — Build Something AI-Native Hackathon, UC Berkeley May 2026
- Hackathon Winner, Best Consumer Product — OpenAI x Qdrant x Tandem AI Revenue Hackathon, AGI House Apr 2026
- Finalist, General Track (~12,000 teams) — Blue Ocean Student Entrepreneur Competition May 2025

## SKILLS

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- **Languages:** Python, JavaScript/TypeScript, C++
- **Frameworks & Tools:** n8n, FastAPI, Next.js, Supabase, React, Node.js, Vercel, Railway
- **AI / Voice:** Claude, Gemini, GPT-4, Deepgram, ElevenLabs, Exa, VAPI
- **Hardware & CAD:** Fusion 360, SolidWorks, Raspberry Pi, Arduino, embedded systems, robotics