

Ved Patel

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SUMMARY

Innovative Computer Science sophomore at The University of Texas at Dallas with hands-on experience building scalable fintech APIs, automated data pipelines, and award-winning computer vision solutions. Proven track record of shipping production-grade software and winning national and international competitions, with a curious mindset for turning complex technical problems into real solutions.

EDUCATION AND TRAINING

The University of Texas at Dallas

Aug 2025 - May 2029

Bachelor's, Computer Science

Richardson, TX

- **Achievements:** Comet Robotics - Programmer; 26th Rank @ The International VEXU Robotics Competition., 1st Place National Win @ Technology Student Association for Website Development

EXPERIENCE

VisorFin Tech Services (VFIN)

Jun 2025 - Feb 2026

Junior Full Stack Developer Intern

Gurugram, Delhi NCR

- Architected ~10 RESTful APIs using Node.js and Python to securely process legal and transactional data. Supporting 500+ accounts and 9,000+ transactions after a 3-4 month fintech startup launch.
- Automated 6,000+ mutual fund data entries to update daily through cloud hosting with Python and PostgreSQL, eliminating 20+ hours of manual data entry per week and reducing human error by 100%.
- Integrated 12 systematic and interactive investment-plan calculators into Kotlin Android and Swift iOS apps, delivering features one day ahead of schedule and enabling timely communication of updates.

Schoolhouse & Learn To Be

2023 - 2024

Tutor

- Developed and taught curriculum for SAT Math, VEX robotics, and Computer Science, resulting in an average student score increase of 50 points and 90% student retention rate across sessions.
- Designed and led interactive coding workshops for high-school students using Python projects and coding exercises, creating an inclusive environment that boosted student confidence and increased class participation.

PROJECTS

NexDrop [NexDrop](#)

Apr 2026

- Won the Major League Hacking Award at HackSMU.
- Developed computer vision (OpenCV & TensorFlow) and Scikit-learn to develop machine learning geographic information systems to apply to raw satellite images to extract building roof areas using matrix operations.
- Created automated CI/CD pipelines with precipitation history and roof surface area to calculate ROI, investment viability scores, and streamlined lead generation for water-harvesting firms built for scale.

Navix Designs

Sep 2023 - May 2025

- Delivered custom website solutions tailored to each client's requirements, utilizing React, TypeScript, and Tailwind for responsive UIs, with Express.js and PostgreSQL for robust backend development.
- Analyzed and redesigned 6 client websites using Google Analytics, Supabase, and Next.js, resulting in a 30-40% increase in website traffic and sales within 2-3 months.

TECHNICAL SKILL-SET

- **Certifications:** CS50x, Harvard University, Python Certified - CodeHS
- **Technologies:** Python, JS, Node, React, TypeScript, Kotlin, Express, PostgreSQL, Tailwind, AWS, Google Cloud Platform, Firebase, Swift, OpenCV, TensorFlow, Scikit-learn, Git, Docker
- **Interests:** Tennis & Pickleball, Travel, Gaming, Kayaking, Stand-up Comedy, Rubik's Speedcubing