

Niloy Meharchandani

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EDUCATION

University of California, Los Angeles (UCLA)

Bachelor of Science in Computer Science and Engineering; GPA: 3.983/4.0

Los Angeles, CA

Expected June 2028

- Dean's Honors List (2024-2025); Upsilon Pi Epsilon; Scholarships: Boeing, Samueli Foundation, Norman Yeung (2024-2026)
- Relevant Coursework: Data Structures and Algorithms, Software Construction (Python, JavaScript, Node, React, Git, Bash), Computer Architecture, Discrete Structures, Linear Algebra

EXPERIENCE

Software Engineering Intern

June 2025 – July 2025

DTBEU (*Texpro Solutions sp. z o.o.*)

Lodz, Poland

- Led two full-stack and automation projects under the Managing Director to streamline business-critical operations.
- Built a Finance Dashboard with FastAPI/PostgreSQL backend using Google Document AI (OCR), Google Gemini (LLM), Celery, and AWS S3; developed a React/TypeScript frontend with analytics and export tools (XLSX/PDF/CSV).
- Created an Automated POD Web Scraper (Python, Selenium, PySide6) for multi-courier retrieval, cutting manual work from 8 hours to 15 minutes through multithreading, secure credential storage, and batch processing (500+ documents).

Resident Assistant

September 2025 – Present

UCLA Residential Life

Los Angeles, CA

- Lead and manage a community of 80+ residents, fostering an inclusive, safe, and supportive living environment.

Software Engineering Intern

October 2025 – Present

Daily Bruin

Los Angeles, CA

- Developing and maintaining the Daily Bruin website (50,000+ daily visitors) using React, MySQL, and Kubernetes.
- Led the main site optimization project, improving load times by 80% via component modernization, optimized image delivery, dependency reduction, and priority asset loading.

AI Intern

October 2025 – Present

Bruin AI

Los Angeles, CA

- Developing AI-driven solutions by applying machine learning and deep learning to solve real-world business problems.

PROJECTS

Ledger | Swift, SwiftUI, CryptoKit, Firebase

August 2025

- Built end-to-end encrypted iOS ledger app with per-device key management, QR-based device linking, and approval-based transaction workflows synced across devices.
- Integrated Siri Shortcuts for quick transaction entry and prepared for UPI payment integration.

TextileSaaS | NestJS, Prisma, PostgreSQL, SwiftUI, AWS S3, CloudFront

June 2025 – Present

- Developed a multi-tenant SaaS platform with ERP, CRM, inventory, and analytics for SMEs, targeting the textile industry.
- Implemented client-side image processing with presigned S3 uploads, CDN delivery, and offline-first caching using SwiftData.

Meal Plan Generator | Python, React, Node.js

June 2025

- Developed full-stack web application to generate optimized meal plans using real-time data from UCLA Dining Halls.
- Implemented a greedy algorithm to customize meal plans based on individual dietary preferences and nutritional goals.

CollegeCounsel | Next.js, Node.js, Express, MongoDB, Firebase, AWS S3

May 2025

- Built a full-stack college counseling platform for college search, application tracking, and AI-powered essay feedback.
- Integrated QS data, AWS S3, and RBAC for secure resume parsing and transcript building, reducing processing time by 30%.
- Deployed scalable REST APIs with caching and PM2, enhancing user experience for 5,000+ college database.

LEADERSHIP & EXTRACURRICULARS

Founder and President

October 2022 – June 2024

Code4Change

Mumbai, India

- Established community service organization teaching digital literacy to underprivileged communities in India.

TEDx Speaker

April 2024

TEDxYouth@SISmumbai

Mumbai, India

- Delivered a TEDx Talk on personal journey of "Breaking the Walls of Silence", engaging 200+ audience members.

TECHNICAL SKILLS

Languages: C++, Python, Swift, JavaScript, TypeScript, SQL (PostgreSQL, MongoDB)

Frameworks: React, Next.js, Node.js, Express, SwiftUI, NestJS, Prisma, FastAPI

Developer Tools and Libraries: Git, Docker, AWS (S3, CloudFront), Firebase, PM2, Kubernetes, Selenium, PySide6, Google Cloud Platform (Document AI, Gemini), CryptoKit, pandas, NumPy