

# Mohit Goenka

Engineering Leader · Communication & Productivity Applications · AI/ML & Privacy

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Director-level engineering leader with 18+ years of experience building, scaling, and shipping consumer communication and productivity applications used by hundreds of millions of people. Led global, multi-platform teams (iOS, Android, Web) for Yahoo Mail, Yahoo Messenger, and Grindr, delivering privacy-conscious, accessible, and performant experiences across devices. Driving AI/ML integration into communication platforms, including on-device LLM-powered features and predictive user experiences. Holder of 51 granted patents with deep expertise in machine learning, security, and messaging systems.

51 Patents Granted · 30 Pending · 39 Defensive | On-Device LLM & ML Patents | Master Inventor Award |  
CES Judge 2021–2026 | CSUN Speaker 2018–2026 | Technovation Judge 2020–2025

## Experience

**Director of Engineering** — Yahoo May 2023 – Present · Mountain View, CA

- Lead all Yahoo Mail client platforms (iOS, Android, Web) serving **200M+ monthly active users**, driving architectural decisions for real-time communication, offline-first sync, and cross-platform consistency
- Spearhead **AI/ML integration** into Mail, including on-device LLM-powered content generation, predictive user interfaces, and ML-driven personalization — with multiple patents filed for on-device large language model systems
- Drive privacy-by-design practices including secure data handling, encryption-at-rest, and GDPR/CCPA compliance
- Partner with Product, Design, and Data Science to deliver cohesive user experiences and drive User Growth
- Champion accessibility-first engineering; present annually at CSUN Assistive Technologies conference (2018–2026)
- Build and mentor a globally distributed engineering organization; organize hackathons, bug megathons, and innovation competitions to sustain high-energy engineering culture

**Engineering & Operations Advisor** — Catapult Capital Apr 2022 – Present · San Francisco, CA  
Evaluate engineering competencies of startups seeking investment in consumer tech, mobile architecture, and AI/ML

**Board of Advisor** — Snyder Dec 2023 – Nov 2025 · Santa Clara, CA  
Advised on technical strategy and product direction for a technology startup

**Head of Core Engineering (VP)** — Grindr Apr 2022 – Jan 2023 · Santa Clara, CA

- Led core engineering (Android, iOS, Backend) through a **successful IPO**, establishing engineering rigor for SOX compliance, security audits, and infrastructure reliability
- Oversaw platform architecture supporting **millions of DAUs** in real-time messaging, location services, and notifications
- Drove end-to-end encryption initiatives and privacy-first engineering for sensitive user communications
- Improved app stability and reliability; built engineering hiring pipelines and technical interview standards company-wide

**Software Engineer** → **Director of Engineering** — Yahoo Jul 2011 – Apr 2022 · Sunnyvale, CA

- Advanced from Software Development Engineer through 7 levels to Director of Engineering (Feb 2020) over 11 years of sustained technical and leadership growth
- Led multiple global teams for **Yahoo Mail and Yahoo Messenger** across iOS, Android, and Web, launching major product versions including YM6 and Yahoo Mail on Android Go
- Directed architecture for **multi-device synchronization**, ensuring seamless offline-first email and messaging experiences across mobile and desktop clients
- Served dual role as **Product Manager**: launched Block functionality, Smart Views, and Search — running A/B tests, evaluating results, and partnering cross-functionally
- Led platform modernization across frontend architecture, test infrastructure, version control, and CI/CD pipelines
- Drove **security and privacy** across products — resolved security issues in Mail and Messenger, led CVAA-compliance efforts for Yahoo Mail web to ensure accessibility
- Won Yahoo's **CEO Award, Builder Award, Verizon Accessibility Award, Master Inventor Award, and Super Star Award** (highest peer-nominated honor)

## AI, Machine Learning & Security Innovation

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- **On-Device LLMs:** Filed patents for on-device large language models for user profiling and private-data content generation, aligning ML personalization with privacy-first principles
- **Predictive ML:** Patented ML-driven predictive user interfaces, message interaction prediction, sentiment analysis, and content personalization using trained user-specific models
- **Security & Authentication:** Patented multi-device proximity-based security, biometric authentication, disposable email addresses for privacy, and hidden folder encryption
- **National Security AI:** Contributed to **GUARDS** (deployed by TSA at LAX and PIT airports) and **IRIS** (deployed by Federal Air Marshals) — AI-driven security randomization systems at USC's Teamcore Research Group
- **Communication Intelligence:** Patented real-time messaging interfaces, augmented reality in email, contextual entity extraction, and smart nudge systems

## Education

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### University of Southern California — Los Angeles, CA

M.S. in Computer Science, Viterbi School of Engineering · 3.85 GPA

- Thesis: Game Theory and Human Behavior; Research in AI and Path Planning under Prof. Koenig and Prof. Tambe
- Coursework: AI, Multiagent Systems, Machine Learning, Data Analytics, Algorithms, Web Technologies
- University Award for Academic Excellence; Research Assistant (Teamcore); Teaching Assistant (AI, Robotics)

### Lakshmi Narain College of Technology — Bhopal, India

B.E. in Computer Science and Engineering · GPA 4.00/4.00, First Division with Honors

- Best Student Project Award (Tata Consultancy Services) for work in computer vision and gait analysis

## Selected Honors & Awards

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**CES Innovation Awards Judge** — CTA, 2021–2026

**Technovation Girls Judge** — 2020–2025 Head Judge, global program empowering young women in tech

**Builder Award** — Yahoo, 2019 Yahoo Mail Android app launch

**Verizon Accessibility Award** — 2019 Yahoo Mail accessibility

**Master Inventor Award** — Yahoo (Oath), 2018 Outstanding patent portfolio contributions

**CEO Award** — Yahoo, 2016 Establishing new revenue streams

**Individual Super Star Award** — Yahoo, 2015 Peer-nominated, Yahoo's highest individual honor

## Speaking, Publications & Additional

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- **Speaker:** CSUN Assistive Technologies (2018–2026), TechEx North America (2022–2024)
- **Publications:** Design for All Institute of India (journal); "Computational Model of Human Behavior in Security Games" (USC)
- **Certifications:** 44 courses in entrepreneurship, leadership, cloud, mobile, and product management
- **Languages:** English (Native), Hindi (Native), Marwari (Professional)