

# GAURAV MISHRA

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## SUMMARY

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Product-focused software engineer with experience in iOS and full-stack development. Built and scaled a campus platform serving 15,000+ monthly active users, owning frontend systems and product decisions. Currently part of the Apple × Infosys iOS development program, building production-grade application.

## EDUCATION

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**SRM Institute of Science and Technology (SRMIST), KTR** **Chennai, India**  
B.Tech in Computer Science and Engineering (Cyber Security) 2023 – 2027  
CGPA: **9.68/10**

## EXPERIENCE

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**Infosys** **Mysore, India**  
iOS Developer Intern Mar 2026

- Built features for a fleet management iOS application with real-time vehicle tracking using MapKit and Mapbox
- Owned the onboarding workflow including staff creation, authentication, profile verification, and approval systems
- Developed modular UI components using SwiftUI (MVVM) and integrated REST APIs with Supabase backend

**iOS Development Center, SRMIST** **Chennai, India**  
iOS Developer Trainee (Apple × Infosys Program) Jul 2025 – Present

- Selected among top 100 out of 3000+ applicants through multi-stage bootcamp and coding evaluation
- Building production-grade iOS application using SwiftUI with focus on performance and clean architecture
- Collaborating in teams to design and iterate App Store ready product through continuous mentor reviews

**Samsung R&D Institute India** **Remote**  
Research Intern (Samsung PRISM) Mar 2025 – Dec 2025

- Contributed to building an end-to-end DPI system for network traffic analysis using PCAP data
- Developed LLM-based pipeline for automated signature generation, validation, and domain-level reasoning
- Worked on integrating ML (CNN, DBSCAN) and LLM workflows for scalable traffic classification systems

## PROJECTS

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**Studique** **Full Stack Product (studique.in)**

- Built and scaled a campus platform serving 15,000+ monthly active users with real-world adoption
- Developed core systems including attendance tracking and academic resource platform (150+ subjects)
- Led product design using Next.js, TypeScript, and Tailwind CSS, focusing on usability and real-world workflows

**LockR** **iOS Application (GitHub)**

- Built a privacy-first document management app with fully offline, on-device processing
- Implemented OCR and NaturalLanguage embeddings for semantic search using local vector similarity
- Integrated Core Data, PDFKit, and LocalAuthentication for secure storage and document handling

**herSpace** **iOS Application (GitHub)**

- Built a privacy-first menstrual cycle tracking app with fully offline functionality and local data storage
- Implemented cycle prediction logic based on historical patterns with calendar visualization and history tracking

- Building a team-first platform to solve fragmented hackathon collaboration through structured user discovery
- Developed frontend using SwiftUI with scalable architecture, state management, and clean interaction flows
- Implementing team formation, interaction requests, and event workflows to retain users within the platform

**PUBLICATIONS**

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**DPI AI Agent: Automated Traffic Classification and Signature Generation using ML and LLMs**

Co-authored a research paper on building an end-to-end Deep Packet Inspection (DPI) system using CNN-based classification, DBSCAN clustering, and LLM-driven signature generation for encrypted network traffic.

**Traffic Anomaly Detection: Identifying Patterns in Dynamic Networking Environments**

Co-authored research focused on analyzing high-traffic behavioral patterns in large-scale network systems using data-driven techniques for anomaly detection.

**SKILLS**

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<b>Languages</b>	Swift, TypeScript, JavaScript, Python, C++
<b>iOS Development</b>	SwiftUI, UIKit, MVVM Architecture, Combine, Core Data, LocalAuthentication
<b>Web &amp; Backend</b>	Next.js, React, Node.js, Supabase, REST APIs
<b>ML &amp; Data</b>	CNN, DBSCAN, Scikit-learn, Feature Engineering, Data Processing
<b>Tools &amp; Platforms</b>	Xcode, Git, GitHub, Figma, VS Code, Zeek, Wireshark
<b>Frameworks &amp; APIs</b>	Vision (OCR), PDFKit, NaturalLanguage, UserNotifications