Prabhav Agrawal

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EDUCATION

Indian Institute of Information Technology Lucknow **Lucknow, Uttar Pradesh, India**
Bachelor of Technology - Information Technology *Dec 2020 - Jul 2024*

EXPERIENCE

Microsoft **Noida, Uttar Pradesh, India**
Software Engineer *July 2024 - Present*

- Shipped Copilot chat pane upgrades for Word/PowerPoint on iOS: upgraded service integration and enabled multimodal workflows (e.g., image generation, code execution); partnered with cross-functional teams to validate rollout configurations.
- Built LLM evaluation infrastructure for Word/PowerPoint agent comprehension workflow: prompt/system tuning, debugging document retrieval and search grounding flows, and added LLM-driven report generation.
- Enabled grounding for local/non-cloud attachments by seeding offline document context; coordinated with service and client teams to ensure correct context seeding.
- Implemented enterprise admin controls for multi-account scenarios; improved disabled-user UX (e.g., removed in-document nudges) and ensured compliance by disabling prefetch for Copilot-disabled enterprise users.
- Enforced file upload policy for Copilot chat pane (Word/PPT iOS); uncovered a spec gap around grounding when uploads are restricted and drove a cross-team fix.
- Enabled SafeLink for App Chat iOS (Word/PPT): facilitated cross-team design, fixed citation URL/link embedding issues, and helped align service vs. client responsibilities.
- Improved telemetry quality and segmentation: fixed PLT/UPLT (Perceived Latency) data gathering issues, enabled structured logging for iOS with dashboard support, restored performance metric accuracy via entry-point instrumentation fixes, and added document tenant ID for usage segmentation.
- Improved reliability and dev velocity: automated local deployment/testing to speed up iteration, improved audio summary caching, strengthened accessibility (VoiceOver), resolved release regressions via dependency coordination, and supported on-call rotations.

Rubrik **Bengaluru, Karnataka, India**
Software Engineer Intern *Jan 2024 - Jun 2024*

- Built Luna (Offline Recovery) workflows in React/TypeScript with Apollo (GraphQL), and authored comprehensive manual test plans to accelerate delivery.
- Improved core table component UX by fixing lazy loading, refetching, and mutation-driven query updates.
- Shipped archival location setup for Rubrik Cloud Vault; enabled concurrent mode, fixed flaky tests, and performed integration testing.

Microsoft **Noida, Uttar Pradesh, India**
Software Engineer Intern *May 2023 - Jul 2023*

- Integrated speech-to-text voice input into the Copilot pane for Office web apps (React/TypeScript).
- Designed and built a two-stage streaming filter to process real-time text input and reduce GPT-4 usage.
- Evaluated intent-detection and text segmentation approaches (punctuation-based to RNNs), balancing filtering efficiency vs. output quality.

ACHIEVEMENTS

- Rated **Expert (1809)** on Codeforces
- Secured AIR **1** and Global Rank **7** in CodeChef Starters 64 (Div.2)
- Secured Global Rank **175/14,000+** in Codeforces Round 887 (Div.2)

TECHNICAL SKILLS

Languages: C++, Python, TypeScript, Swift, Objective-C
Frameworks & Libraries: React, GraphQL (Apollo), Django, Swift UI, ML (scikit-learn)
Core CS: Data Structures and Algorithms, OOPS, DBMS, Operating System, Problem Solving