

Prabhav Agrawal

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EDUCATION

Indian Institute of Information Technology Lucknow
Bachelor of Technology - Information Technology

Lucknow, Uttar Pradesh, India
Dec 2020 - Jul 2024

EXPERIENCE

Microsoft
Software Engineer

Noida, Uttar Pradesh, India
July 2024 - Present

- Swift UI | Obj-C | C++ (iOS)
- Implemented multi account check admin for word and powerpoint
- Enabled safelink for Copilot in Office apps on iOS devices.
- Added custom error-handling mechanism in the codebase to allow users reauth directly from Copilot.
- React | Typescript | Shell Scripting (iPadOS)
- Improve the reliability and extensibility of Copilot in Office apps on iPad and Mac.
- Created Automation workflows to bridge platform gap, result in 90% reduction in developer manual test time.

Rubrik
Software Engineer Intern

Bengaluru, Karnataka, India
Jan 2024 - Jun 2024

- React | Typescript | Apollo (GraphQL)
- Developed multiple workflows in Luna (Offline Recovery) and comprehensive manual tests, enabling the team to complete the project rapidly.
- Improved core table component by fixing lazy loading, refetching, and mutation handling for query updates, enhancing UX across the application.
- Integrated flow to allow users to set up archival locations in Rubrik Cloud Vault.
- Enabled concurrent mode, fixed flaky tests, and conducted manual integration testing.

Microsoft
Software Engineer Intern

Noida, Uttar Pradesh, India
May 2023 - Jul 2023

- React | Typescript
- Integrated speech-to-text voice input into Copilot pane for web Office apps
- Designed and developed a two-stage filter to process and output real-time text stream input, reducing load on GPT-4 usage.
- Explored intent-detection filters and evaluated metrics balancing filtering efficiency and LLM output quality.
- Explored various text segmentation techniques, from simple punctuation-based to RNNs, for efficient detection and removal of filler words in near real-time.

ACHIEVEMENTS

- Rated **Expert (1809)** on [Codeforces](https://codeforces.com/profile/prabhavagrawal7)
- Secured AIR **1** and Global Rank **7** in [CodeChef Starters 64 \(Div.2\)](https://codechef.com/starters64)
- Secured Global Rank **175/14,000+** in [Codeforces Round 887 \(Div.2\)](https://codeforces.com/contest/887)

TECHNICAL SKILLS

Languages	C++, Python, Typescript
Frameworks & Libraries	Django, React, ML Libraries(Scikit-learn, Matplotlib, Seaborn)
Academic Coursework	DSA, OOPS, DBMS, Operating System