

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

Sunbeam English School
CBSE Class 10th & 12th

Varanasi, Uttar Pradesh, India
Dec 2015 - Jun 2019

EXPERIENCE

Microsoft
Software Engineer

Noida, Uttar Pradesh, India
July 2024 - Present

- React | Typescript | Shell Scripting
- Improve the reliability and extensibility of Copilot in Office apps on iPad and Mac.
- Created Automation workflows to bridge platform gap, resulting in a 90% reduction in developer manual testing time.

Rubrik
Software Engineer Intern

Bengaluru, Karnataka, India
Jan 2024 - Jun 2024

- React | Typescript | Apollo (GraphQL)
- Added feature to allow users to setup archival location for data backup in RCV, required collaborating cross-functionally with design and backend teams.
- Enabled concurrent mode, fixing incompatible test cases, and conducted manual tests to ensure seamless integration and functionality.
- Rectified React table component lazy loading, refetching, and mutation handling for query updates, improving UX across entire application.
- Resolved flaky tests in RSC by debugging GraphQL calls and implementing proper Apollo mocking.

Microsoft
Software Engineer Intern

Noida, Uttar Pradesh, India
May 2023 - Jul 2023

- React | Typescript
- Designed and developed a two-stage filter for processing real-time text stream input, significantly reducing load on LLM.
- Implemented and evaluated multiple user intent detection approaches, including rule-based systems and semantic searching, to optimize filter efficiency while maintaining LLM output quality.
- Implemented command queueing on LLM, integrating real-time UI feedback to maintain user engagement and transparency during extended operations.
- Explored and implemented various text segmentation techniques, ranging from simple punctuation-based methods to lightweight bidirectional RNNs, for efficient detection and removal of filler words in near real-time text stream.

ACHIEVEMENTS

- Rated **Expert (1809)** on [Codeforces](https://codeforces.com/) and **5 star (2031)** on [CodeChef](https://www.codechef.com/)
- Secured AIR **1** and Global Rank **7** in [CodeChef Starters 64](https://www.codechef.com/START64) (Div.2)
- Secured Global Rank **175/14,000+** in [Codeforces Round 887](https://codeforces.com/contest/887) (Div.2)

TECHNICAL SKILLS

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