

Aditya Prakash

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EDUCATION

Emory University

Master of Science in Computer Science

May 2025

Atlanta, GA

Relevant Coursework: Machine Learning, Algorithms, Human-AI Interaction

Awards: Emory University Fall 2023 Scholarship

Cumulative GPA: 4.0/4.0

Devi Ahilya University

Bachelor of Engineering in Computer Engineering

June 2023

Indore, MP

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Artificial Intelligence

Awards: Director's commendation for outstanding achievement

Cumulative GPA: 8.68/10.0; **Class Rank:** 3/150; Graduated summa cum laude

TECHNICAL SKILLS

Programming Languages: **C, C++, Java, Python, JavaScript, HTML, CSS.**

Databases: **MySQL, MongoDB, MariaDB, Redis, Firestore, PostgreSQL.**

Libraries & Frameworks: **Redux, Mongoose, Express, React, Node, Next, Discord.py, OpenCV, Pandas, Numpy, Android**

EXPERIENCE

Emory University

Graduate Teaching Assistant

Aug 2023 - Present

Atlanta, GA

- Mentored over 40 third year and fourth year students for CS326: Analysis of Algorithm under Professor Michelangelo Grigni. Graded more than 300 assignments, discussed solutions, and answered questions in office hours.

watto.ai

Software Development Intern

Jun 2023 - Aug 2023

Remote

- Led end-to-end development and design of the user interface of a Y Combinator-backed startup, which leveraged Large Language Models to create technical documents such as PRD, HLD and SWOT using diverse data sources. Developed over 20 React.js components, frontend pages and backend APIs including the document hub, forms, outline editor.
- Added the option of integrating Google Drive, Notion, and other platforms, enabling users to add 3rd party data sources as additional references, which contributed to a 30% increase in application usage.
- Pioneered the implementation of a real-time outline feature, allowing users to receive instant drafts and provide feedback and customization, leading to a 25% decrease in document revisions.

Rakuten

Software Development Intern

Jan 2023 - May 2023

Indore, MP

- Spearheaded the development of the algorithmic backbone of the automated network predictor and manager. Wrote more than 50 Python and C++ algorithms for automation of network capacity management, resulting in a 40% reduction in manual management efforts and a 60% improvement in network reliability.
- Facilitated database connectivity with Ubuntu through Docker, implementing automation and easy setup of the code base via shell scripts. Successfully migrated from OracleDB to MySQL, which allowed for seamless integration with Rakuten's existing ecosystems. Additionally, switching to an open-source DB saved over \$100,000 in expenses.
- Debugged backend C++ code, resolving compilation issues and reducing error rates by 15%. Developed Python scripts for dummy input generation and database queries, resulting in a 30% reduction in execution time.

LEADERSHIP AND COMMUNITY ENGAGEMENT

- **Google Developer Student Club:** Organized programming workshops and seminars attended by over 2,000 college students in collaboration with engineers at Google.
- **LeetCode Mentoring:** Voted as the Guardian Angel in the LeetCode study group for mentoring coders and sharing high-quality solutions. Personally coached 2 programmers from South Korea and helped them find internships.
- **COVID-19 Volunteering:** Engaged in outreach programs of the local police department to promote vaccination awareness. Assisted citizens in the vaccination process at a local vaccination center, ensuring a smooth and efficient experience.

ADDITIONAL SKILLS AND INTERESTS

Global Mindset: Bilingual in English and Hindi.

Fine Arts: Culinary Arts, Photography

Interests: Machine Learning, Human AI Interaction, Meditation, Yoga, Horse Riding, Video Games