

## Arindam Deb

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### EDUCATION

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#### University of Rochester

*Bachelor of Science in Clinical and Translational Sciences  
Minor in Medical Anthropology*

**Rochester, New York**

*Expected May 2026*

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### EXPERIENCE

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#### Technical Founder

*Exvalis LLC*

**Rochester, New York**

*August 2024 – Present*

- Managed end-to-end project execution across a cross-functional team, overseeing timelines, deliverables, and technical documentation for a digital health platform integrating with clinical EHR systems.
- Conducted 40+ structured provider interviews across specialties and health systems, synthesizing findings into validated product requirements and study-level documentation.
- Developed RPA agents with adaptive automation to interface with live EHR environments, enabling real-time clinical data extraction and workflow integration.
- Designed pitch deck presented to 70+ physicians, investors, and advisors at the 2025 American Nepali Medical Foundation conference, Washington D.C.

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#### Vice-president of Health and Safety

*University of Rochester Interfraternity Council*

**Rochester, New York**

*May 2025 – January 2026*

- Managed compliance and safety standards across 9 organizations, serving as primary point of escalation for risk managers.
- Devised a 34-page policy paper analyzing peer institution Group Medical Amnesty policies and presented recommendations for implementation at University of Rochester. Policy to be implemented next academic year.

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### RESEARCH

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#### Digital Technology Use and MDD Among Adolescents in Bangladesh February 2025- December 2025

*Mentored by Dr. Muhammad Al Amin from Princeton University*

- Independently conducted a secondary analysis of a nationally representative dataset of 6,646 participants, managing all aspects including data cleaning, statistical analysis, and manuscript development.
- Applied structured inclusion/exclusion criteria and rigorous methodology including MICE imputation, logistic regression, DAG-informed confounder selection, and FDR correction in Python to distinguish six digital engagement types.

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### LEADERSHIP & PROJECTS

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#### ReCount - Product Lead

**February 2025 - Present**

- Developed a digital health risk reduction application tracking biometric and location data in real time to support campus safety interventions.
- Coordinated with campus health services, safety administrators, and student organizations to define product requirements and deployment strategy.
- Built proof-of-concept demonstrating integration potential with existing campus emergency response systems.

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#### Stem Initiative Curriculum Committee

**September 2023 – June 2025**

- Designed and delivered 15+ science curriculum modules for high school students, translating complex biological and health science concepts into structured, accessible learning materials.
- Evaluated student comprehension and iteratively refined content based on assessment data and instructor feedback to optimize for subsequent lessons within the week.

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#### Crisis Text Line Volunteer

**August 2024 – Present**

- Provide real-time text-based crisis intervention for individuals experiencing acute mental health crises, including suicidal ideation, self-harm risk, and trauma response; completed 30+ hours of clinical training in crisis intervention, active listening, risk assessment, and LGBTQ+ cultural competency.
- Apply evidence-based safety planning, de-escalation techniques, and resource referral protocols under high-pressure conditions while maintaining strict confidentiality and documentation standards in compliance with mental health support protocols

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### SKILLS & CERTIFICATIONS

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**Certifications:** CITI Good Clinical Practice (GCP), CITI Human Subjects Research, CPR (Red Cross)

**Clinical Tools:** RPA development and automation for EHR data extraction and workflow integration, clinical protocol review, patient data analysis, SOP development, GCP/ICH/FDA compliance

**Software:** Microsoft Office Suite (Word, Excel, PowerPoint, Outlook), Salesforce (Trailhead: CRM Basics), Jira, Notion, Slack, Figma, Canva, Google Sheets

**Technical:** Python, R, PostgreSQL, MongoDB, Cloudflare, Docker, REST APIs, Git,

**Languages:** English (Native), Bengali (Fluent), Hindi (Fluent), French (Elementary), German (Elementary)