

Arindam Deb
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EDUCATION

University of Rochester <i>Bachelor of Science in Clinical and Translational Sciences</i> <i>Minor in Medical Anthropology</i>	Rochester, New York <i>Anticipated May 2026</i>
Southeast Arkansas College <i>Emergency Medical Technician-Basic</i>	Pine Bluff, Arkansas <i>August 2023</i>

RESEARCH

Digital Technology Use and MDD Among Adolescents in Bangladesh	February 2025- December 2025
<ul style="list-style-type: none">• Conducted the first nationally representative analysis of digital technology use and MDD among Bangladeshi adolescents (N=6,646) with the mentorship of Dr. Muhammad Al Amin from Princeton University.• Distinguished six specific digital engagement types using MICE imputation, logistic regression, DAG informed confounder selection, and FDR correction in Python; found crude associations with social media were explained by poverty, school disengagement, and gender inequality. Advocated for root cause interventions over digital bans.	

EXPERIENCE

Technical Founder <i>Exvalis LLC</i>	Rochester, New York <i>August 2024 – Present</i>
<ul style="list-style-type: none">• Built a provider-facing platform connecting siloed clinical systems and automating repetitive workflows to reduce administrative burden.• Conducted 40+ provider interviews and surveys across specialties and health systems to drive product discovery, validate core assumptions, and define the roadmap for a clinical workflow automation platform.• Defined product roadmap, wrote technical documentation, and deployed internal infrastructure including Cloudflare-protected landing page, contract pipeline, and team scheduling systems.• Designed pitched deck that was presented to 70+ physicians, investors, and advisors at the 2025 American Nepali Medical Foundation conference in Washington, D.C.	
Vice-president of Health and Safety <i>University of Rochester Interfraternity Council</i>	Rochester, New York <i>May 2025 – January 2026</i>
<ul style="list-style-type: none">• Served as a stakeholder on the Standing Committee on Alcohol Policy and Education for the University of Rochester.• Devised a 34-page policy paper analyzing peer institution Group Medical Amnesty policies and presented recommendations for implementation within the University of Rochester. Policy to be revised and implemented next academic year.• Served as a resource and regulator for risk managers from 9-member fraternities to facilitate safety and meet standards.	

INDEPENDENT PROJECTS

Patient-Driven Vision Diagnostic Tool with Tracking	January 2021 - March 2021
<ul style="list-style-type: none">• Built an Android app for longitudinal visual acuity assessment with result tracking and visualization. Recognized at the West Central Regional Science Fair (Medicine & Health Science); state runner-up in health sciences and biology.	
VidyUR – UNHCR Student Challenge	February 2024 - April 2024
<ul style="list-style-type: none">• Designed the DRIVE framework to address barriers to refugee higher education using a biopsychosocial model and social safety nets.• Advanced to Semifinals, selected among 36 teams from a pool of 200+.	
ReCount	February 2025 - Present
<ul style="list-style-type: none">• Developed a risk reduction application that can track location and amount of alcohol consumed to inform first responders, warn against overconsumption, connect with friends if lost, and send out alerts.• Currently working with stakeholders to deploy the app across college campuses.	

EXTRACURRICULAR ACTIVITIES

Stem Initiative Curriculum Committee	September 2023 – June 2024
<ul style="list-style-type: none">• Designed and delivered science curriculum modules for local elementary schools; assisted material procurement by assessing lesson needs and coordinating purchase orders and existing inventory.	
Crisis Text Line Volunteer	August 2024 – Present
<ul style="list-style-type: none">• Completed 30+ hours of training in crisis intervention, active listening, and de-escalation techniques.• Provided real-time text-based support to individuals experiencing mental health crises, applying safety planning and referral protocols.	

SKILLS

Languages: English (*Native*), Bengali (*Fluent*), Hindi (*Fluent*), French (*Elementary*), German (*Elementary*)
Experience in: Python, R, Stata, PostgreSQL, MongoDB, Excel, LaTeX, Docker, VirtualBox, Nginx, Linux (Debian), Git, GitHub Actions, AWS, Vercel, Cloudflare, Mapbox, REST APIs, Canva, Premier, Notion, Jira, Slack, and Figma.
Certifications: CPR (Red Cross), CITI Human Subjects Research, CITI Good Clinical Practice (GCP)