SABYASACHI UPADHYAY

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Education

Birla Institute of Technology and Science (BITS) Pilani, India **[2009-2013]**
B.Tech. (Hons) Computer Science

Core Skills: User Research, Problem Framing, Wireframing, Defining & Analyzing Metrics, SQL, System Design, Generative AI and Large/Small Language Models(LLMs/SLMs), Retrieval Augmented Generation (RAG), Machine Learning, A/B Testing, Market Analysis, Diffusion Models, Evals
Data & Analytics Tools: Python, MS Excel
Other Product Tools: Whimsical, JIRA

Product Skills & Tools (portfolio)

GENAI 100x FELLOWSHIP **[July 2025 - Jan 2026]**
NEXTLEAP PRODUCT MANAGER FELLOWSHIP **[November 2023 - February 2024]**
Graduated as a Top Fellow from the Fellowship (Capstone Project)

Experience

OLA FOUNDATION | PRODUCT OWNER **[January 2025 - Present]**

Building out SAHELI - a platform leveraging Large Language Models(LLMs)/Small Language Models (SLMs) catered to create a more responsive, robust and effective public healthcare system for India
- Led the rollout of SAHELI Actiquity AI - a **GenAI Assistant** predicated on standard anemia protocols that can plug into pre-existing hand-held devices available with Frontline Health Workers and equips them in monitoring and counselling based on the signs/symptoms of anemia among females upto 49 years at last-mile, in 6 blocks at Krishnagiri, Tamil Nadu. link, video.
- Built a roadmap for a social tech platform, SAHELI, encompassing the life journey of a woman across health, livelihoods and education.
- Led the development of a **data collection toolkit** by leveraging the open-source framework of Medic, resulting in streamlined workflows for frontline workers and significantly enhancing the timeliness (~50% reduction in screening time) and reliability of community health data.

NITI AAYOG | ASSOCIATE **[May 2020 - Dec 2024]**

Led Product Development for Women Entrepreneurship Platform and National Data Analytics Platform. Additionally, I have driven Fintech Initiatives (Digital Banking, Blockchain, Crypto) and managed Health Pilot Projects in *Aspirational Districts* of India

- **Product Management [2020 - Present]**

  1. *Women Entrepreneurship Platform (WEP)* (wep.gov.in) - Managed product development of WEP, onboarding *30,000+* registered women entrepreneurs, *400+* mentors, information on *800+* Government initiatives, *500+* incubators and accelerators and fostered partnerships with *26+* partner organizations

  2. *National Data Analytics Platform (NDAP)* (ndap.niti.gov.in) - Part of the NDAP Founding and Management team. Onboarded *3000+* datasets on to the platform. Supported the Project Lead in execution of the tasks and coordinated with *25+* Ministries of Government of India, Data Experts and other organizations in streamlining processes

- **Program Management [June 2020 – June 2021]** Managed implementation of pilot projects in health sector pertaining to demonstration and efficacy of technology - A Declarative AI based Clinical Decision Support System (CDSS). The full report can be accessed here - link

- **Fintech Strategy and Research [2020 - 2022]** Supported the CEO Office and Frontier Technologies Vertical on **Web3 Research (Blockchain and Crypto)** and promotion of **Digital Banking** in India. Co-Authored the Report on Licensing and Regulatory Template for Digital Banks in India - link

STUDY SABBATICAL – UPSC Civil Services Examination(CSE) Prelims–Qualified and Mentorship **[June 2017 - April 2020]**

- Dedicated three years to intensive study, clearing the preliminary round in 2019 and 2022, subsequently appearing for Mains exam twice in 2019 and 2022, placing myself in the *top 2%* of 1M+ candidates in India's toughest competitive exam with an acceptance rate of *0.1%* - Marksheet and Results. Developed expertise in General Studies, encompassing Environment, Sustainability, Governance, History, Economics, Geography, Science and Technology, and the Social Sector. Leveraged this knowledge to **mentor** candidates on Topmate, as evidenced by positive testimonials, effectively fulfilling the role of an educator. The diverse nature of Civil Services Examination preparation has equipped me with a broad knowledge base, enabling me to engage confidently and effectively in discussions on a wide range of topics.

OLA | RESEARCH ENGINEER in Data Science **[October 2015 - February 2017]**

- **Big Data and Machine Learning:** Independently implemented a **Fraud Detection Engine** for Ola Rides by leveraging clustering algorithms, including *Spectral Clustering* and *Clique Detection*, on driver-customer linkages within a graph. Utilized Igraph in R for exploratory analysis of cab rides and the GraphX library on Apache Spark to identify dense bipartite connections and cliques, generating reports with an 80% accuracy rate validated with in-person interviews with drivers and customers

- The Fraud Detection Engine was subsequently deployed in production to profile drivers and customers, enabling real-time detection of fraudulent rides

QUIKR | ASSOCIATE SOFTWARE ENGINEER **[September 2014 - September 2015]**

- Implemented Machine Learning based **Ad Filtering Classifier** using Bayesian Models on **Apache Mahout**; Developed a Speech-to-Text recognition system for recording audio ads on Quikr; Contributed to web development projects, demonstrating a high level of productivity and versatility

EMC | ASSOCIATE CONSULTANT **[August 2013 - August 2014]**

- **Big Data Engineer:** Conducted *Customer Churn Analysis* on telecom data using Big Data algorithms such as MapReduce. Responsibilities included programming in **Hadoop** and conducting **Analytics** to deliver actionable insights and solutions for clients

Publications and Awards_____

- Winner of the OLA AI Productivity Hackathon
- Winner of the 100x AI Hackathon
- Strategy paper - **Digital Banks** : A Proposal for Licensing & Regulatory Regime for India - link
- Clinical Decision Support System – Health Pilot Study - link
- **Moving the Needle** – Creating an Enabling Environment for Women-led Enterprises - link
- **Economic Times Article** – Co-Author of Promoting Medical Tourism via Ayushman Bharat Digital Mission -link
- Semi-finalist at the BIG DATA TECH GRAND SLAM in INDIA BIG DATA WEEK 2014 organized by Unicom.
- Paper Presentation - A Map Reduce Based Parallel Algorithm for Large Scale Hierarchical Classification at International Conference in Information Sciences 2014