

Ayana Baidya

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PROFESSIONAL SUMMARY

B.Tech in Computer Science and Engineering (Data Science) from Techno Main Salt Lake, Kolkata (2026), currently pursuing a BS in Data Science and Applications from IIT Madras. Programming experience in Python, Java, and C programming, with hands-on software development, AI/ML systems, and full-stack web projects. Comfortable across the development lifecycle, from system design and implementation to testing and deployment. Quick to pick up new tools and frameworks, with a track record of building and shipping functional software independently and within teams. Seeking an entry-level software application development role to grow these skills in a real-world engineering environment.

INTERNSHIPS, FELLOWSHIP & VIRTUAL EXPERIENCE

ALTA AI Builders Fellowship

Apr 2026

Alta School of Technology

- Engineered and deployed end-to-end AI applications using Prompt Engineering, APIs, and Retrieval-Augmented Generation (RAG) concepts.
- Developed multi-agent architectures utilizing Agentic AI frameworks to automate complex, multi-step workflows.
- Built and published functional AI tools to GitHub, demonstrating hands-on version control and software delivery best practices.

Quantitative Research Virtual Experience Program

Mar 2026

JPMorgan Chase & Co. | Forage

- Analysed a book of loans to estimate customer probability of default using quantitative research methods.
- Applied dynamic programming to convert FICO scores into categorical data to predict defaults.
- Delivered structured analytical output aligned with financial risk assessment workflows.

Data Analytics Job Simulation

Mar 2026

Tata iQ (Tata Group) | Forage

- Conducted exploratory data analysis using GenAI tools to assess data quality and identify risk indicators.
- Proposed a no-code predictive modeling framework to assess customer delinquency risk.
- Designed an AI-driven collections strategy incorporating ethical AI principles and regulatory compliance.

Data Analytics Job Simulation

Mar 2026

Deloitte Australia | Forage

- Completed a simulation in data analysis and forensic technology.
- Built a Tableau dashboard and used Excel to classify data and draw structured business conclusions.

PROJECTS

TruthLens: AI-Powered Media Detection App

2025-2026

Personal Project | github.com/AYANA-NA-NA/TruthLens (v1.0) | github.com/AYANA-NA-NA/TruthLens-v2.0 (v2.0)

- Built a mobile-first application for on-device deepfake and AI-manipulated video detection, requiring no cloud dependency.
- Applied lightweight AI/ML models to analyse video frames and classify synthetic content.
- Designed an offline-first, privacy-focused architecture suitable for digital forensics use cases.
- Developed accessible UI/UX to make media authenticity verification available to non-technical users.

HeritageHub AI: Artisan Market Linkage Platform

2023

Smart India Hackathon, College Level | Team Project

- Developed an AI-based platform promoting local craftsmanship under the Government of India's One District One Product initiative.
- Built data-driven market linkage features to connect artisans with buyers using Python and data analysis pipelines.
- Led system design, data handling, and frontend integration; presented at national-level competition.

NUTRI: AI-powered Virtual Nutritionist

2024

Personal Project | Hackathon Team Project | github.com/AYANA-NA-NA/NutriAI-Virtual-Nutritionist

- Designed an AI-powered virtual nutritionist app providing personalised meal recommendations based on dietary preferences.
- Implemented recommendation engine in Python using supervised machine learning and constraint-based filtering.

- Managed complete development cycle: UI/UX design, ML integration, and backend development.

TECHNICAL SKILLS

Programming Languages: Python | Java | C | JavaScript | SQL | HTML | CSS
Web & APIs: REST APIs | Frontend Development | Backend Integration | PHP | MySQL
AI / Machine Learning: Machine Learning | Supervised Learning | Recommendation Systems | Lightweight AI Models
Data & Analytics: Data Analysis | Microsoft Excel | Data Visualization | Pandas
Tools & Design: Git | Jupyter Notebook | Figma | Canva | Microsoft Office Suite

SOFT SKILLS

Problem Solving | Analytical Thinking | Team Collaboration | Communication | Time Management

LANGUAGES

English (Fluent) | Hindi (Fluent) | Bengali (Native)

EDUCATION

Bachelor of Technology, Computer Science & Engineering (Data Science) <i>Techno Main Salt Lake, Kolkata, West Bengal CGPA: 7.5 / 10.0</i>	2022 - 2026
BS in Data Science and Applications <i>Indian Institute of Technology (IIT) Madras, Online Programme</i>	Ongoing
CBSE Class XII (Senior Secondary) <i>Kendriya Vidyalaya Ordnance Factory, Dum Dum, Kolkata Aggregate: 72%</i>	2022
CBSE Class X (Secondary) <i>Kendriya Vidyalaya Ordnance Factory, Dum Dum, Kolkata Aggregate: 87.2%</i>	2020

CERTIFICATIONS & ONLINE COURSES

HP LIFE (Mar 2026): Critical Thinking in the AI Era | AI for Business Professionals
Udemy (2025): Master MCSE: Windows Server 2022 OS Administration | Web Development Bootcamp: HTML CSS PHP MySQL WordPress
Coursera (2023): What is Data Science? (IBM) | Intro to Programming with MATLAB (Vanderbilt) | Web Design for Everybody
Capstone (University of Michigan) | The Science of Well-Being (Yale)

ACTIVITIES & LEADERSHIP

- Hult Prize (Participant & Student Mentor)**
- Developed and pitched an original startup model addressing a real-world social challenge at college competition level (2023).
 - Drove market research, business strategy development, and pitch deck preparation.
 - Returned as Student Mentor (2023-24): coached junior teams on ideation, business modelling, and presentation skills.
- Member, IIC Graphics Wing, Innovation and Entrepreneurship Cell**
- Created visual content, posters, and UI/UX for college innovation events, technical festivals, and institutional communications.
 - Collaborated with cross-functional student teams on design and outreach projects.
- Hackathon Participation**
- Smart India Hackathon 2023, national level; built and presented HeritageHub AI.
 - TechAI Hackathon 2024, participated in AI/ML challenge track.