SAYAN BISWAS

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EDUCATION

Dream Institute of Technology, Kolkata
Bachelor of Technology

- Computer Science and Engineering
- 2021 - 2025
- Grade: **83%**

Kendriya Vidyalaya Fort William, Kolkata
High School Certificate (CBSE)

- Class 12th Science Stream
- 2020 - 2021
- Grade: **85%**

SKILLS

Languages: Python, Java.

DBMS: MySQL, MongoDB.

Web Development: HTML, CSS, JavaScript

Version Control: Git, GitHub.

Frameworks: Node.js, React.js, Next.js, Express.js.

Automation: Blue prism, n8n.

Designing: Figma, Adobe Illustrator.

PROJECTS

Health Chatbot – Backend Development
Tech Stack**: NodeJS, ExpressJS**

- Integrated **OpenAI API** to deliver context-aware medical advice, achieving a consistent response accuracy.
- Designed & deployed secure RESTful endpoints handling user queries, **reducing API latency by 25%**.

Loan Eligibility Prediction – Machine Learning Model | GitHub-Link
Tech Stack: **Python, Scikit-Learn, pandas, Matplotlib**

- Built and compared multiple classification algorithms to predict loan approvals based on user financial profiles.
- Evaluated model performance using cross-validation metrics (accuracy, precision, recall) to select the optimal algorithm.

AI-Based ATS – Full-Stack Development| Deployed project | GitHub-link

- Tech Stack: **Python, Streamlit**
- Developed an AI-based Applicant Tracking System to evaluate resumes and provide insights.
- Integrated **Google Gen AI** to analyse resume content, generate evaluation summaries, and calculate ATS match percentages.
- Implemented PDF parsing and image conversion to process uploaded resumes efficiently within the Streamlit API.

EXPERIENCE

Web Development Intern, Prodigy Infotech (Online)
April 2024 –May 2024 | [Certificate]

- Developed responsive web pages using **HTML, CSS and JavaScript**, improving user engagement.
- Assisted in version control workflows with Git and GitHub.

Trainee -AI/ML, AiLabs Data Core (Onsite)
July 2024 – September 2024 | [Certificate]

- Implemented and optimized machine-learning classification models (KNN, Random Forest, SVM, Logistic Regression) for a loan approval prediction system, enhancing accuracy by iterative tuning.
- Conducted data analysis and feature engineering on large datasets using Python and Scikit-learn.