



Prabal Pratap Singh

Roll No.: 25035010433

B.Sc. (Hons) - Data Science & Artificial Intelligence

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GitHub | Kaggle | LinkedIn | Portfolio

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Sc. (Hons)	Indian Institute of Technology, Guwahati	9.00	Aug 2025 - Present
Senior Secondary	SVM Inter College (UP State Board)	79%	2024
Secondary	SVM Inter College (UP State Board)	87.16%	2022

PROJECTS & DATASETS

- **NexContact** July 1, 2026 - July 7, 2026
Local-First Contact Manager GitHub
 - Developed a secure, local-first contact management application utilizing a Python (FastAPI) backend and a vanilla JavaScript frontend.
 - Implemented real-time search filtering, toggleable grid/list viewing modes, and responsive custom themes for optimal cross-device usage.
 - Engineered a completely offline experience with locally stored database assets and automated browser launching upon server initialization.
- **FocusFlow Task Manager** June 25, 2026 - July 5, 2026
Native Desktop Study Alarm System GitHub
 - Built a local-first study task manager integrating a React/Tailwind CSS frontend with a Flask/SQLite backend to track daily lecture schedules.
 - Utilized Python's `plyer` and `schedule` libraries to trigger native desktop OS notifications and local audio alarms for time-sensitive tasks.
 - Designed a responsive UI utilizing Vite, enabling users to seamlessly create, manage, and toggle study sessions with real-time system integration.
- **Neuron AI** October 17, 2025 - October 29, 2025
RAG-Powered Search Interface GitHub
 - Engineered a Retrieval-Augmented Generation (RAG) chat application combining Perplexity AI's real-time web search with Google Gemini's reasoning capabilities.
 - Built a responsive web interface using Flask and Tailwind CSS that displays detailed search context, clickable source URLs, and summarized final answers.
 - Integrated robust API handling to ensure seamless dual-model data processing, delivering factually grounded responses alongside optional CLI support.
- **Global Health Professions Student Survey (GHPSS)** March 28, 2026 - March 30, 2026
Public Health Data Engineering Kaggle
 - Published a rigorously cleaned Kaggle dataset of 15,282 records analyzing tobacco use and cessation training among medical students across 77 countries.
 - Engineered data formatting normalization by resolving floating-point artifacts, standardizing sample sizes, and fixing conflicting duplicate keys.
 - Structured complex demographic and behavioral survey indicators to facilitate comprehensive exploratory data analysis and predictive modeling.
- **Mobile Addiction Behavioral Dataset** May 27, 2026 - May 30, 2026
Predictive Modeling Resource Kaggle
 - Curated and published a comprehensive dataset containing 13,589 user records of daily mobile usage indicators and self-reported behavioral metrics.
 - Structured 11 integer-valued features including daily screen time, app sessions, and notification volume mapped against a binary addiction target class.
 - Provided a clean, missing-value-free data dictionary optimized for binary classification, user segmentation, and digital stress factor analysis.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript (Vanilla), HTML5, CSS3
- **Frameworks & Libraries:** React, FastAPI, Flask, Tailwind CSS, Pandas, Pydantic, Vite, Axios
- **Databases & Infrastructure:** SQLite, Git, GitHub, Kaggle
- **APIs & Tools:** Google Gemini API, Perplexity AI API, Uvicorn

KEY COURSES TAKEN

- **Mathematics:** Linear Algebra, Introduction to Statistics
- **Data Science & Artificial Intelligence:** Data Analysis Basics, Data Science: An Introduction, AI Basics, Complete Data Science, Machine Learning, DL, NLP Bootcamp (Udemy)
- **Computer Science & Programming:** C Programming, Python Programming, Introduction to R, Computer System Tools, Data Structures, Algorithm Design & Analysis,
- **Professional & Soft Skills:** Basic English

ACHIEVEMENTS

- **Time Series Analysis: Certificate of Merit** (C&A IIT Guwahati, 2026).
- **Summer Analytics: Currently Enrolled** (C&A IIT Guwahati, 2026).

EXTRA-CURRICULARS

- **Member of School Parliament**, SVM Inter College 2022 - 2024
 - Served as an active representative in the school parliament, advocating for student interests and collaborating on school-wide events and initiatives.