



Prabhaskalyan — 23PH10028

Physics (BS 4Y)

+91 9640094070 prabhaskalyan0473@gmail.com



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2027	B.S, Physics (4YR)	Indian Institute of Technology, Kharagpur	8.4
2022	Intermediate Public Examination	Siddartha Juinor College	91.6%
2020	Secondary School Certificate	Vijaya Bharathi English Medium School	100%

INTERNSHIPS

SDE Intern — Imago AI

Apr 2025 - Present

- Worked on Text-to-SQL models to convert natural language queries into SQL queries, improving the query generation process
- Developed agents to create dynamic dashboards and data visualizations using Python, streamlining the data exploration process
- Developed a Textual RAG system using **Pinecone**, integrated with a Text-to-SQL model to enhance accuracy in querying manufacturing SOPs
- Developing **LightSpeed** an automated ML model approval and testing system integrating AWS S3 to fetch test data and ML Model

AI Intern — TimechainLabs

May 2025 - Present

- Developed and integrated an AI-driven automation system to connect **Slack** and **Jira**, enabling seamless communication and task tracking.
- Implemented **RabbitMQ** to efficiently handle and route asynchronous message traffic, improving system reliability and responsiveness.
- Leveraged **Apache Kafka** to stream and visualize real-time application logs, enhancing observability and debugging capabilities

AI Intern — MoneyClub

May 2025 - Present

- Implemented **Retrieval-Augmented Generation (RAG)** on a domain-specific knowledge base to improve accuracy and contextual relevance
- Developed end-to-end **WhatsApp automation** using AI for query handling, intelligent replies and solutions to users.

SDE Intern — Filo

May 2025 - Present

- Developed a domain-specific language (DSL) to automatically generate AI-based educational tutorial videos from structured text prompts
- Integrated open-source tools like Manim, MoviePy, and OpenAI TTS models to synthesize narrated and visually animated content
- Utilized Tkinter and Matplotlib to dynamically create visuals and interactive graphics aligned with specific tutorial topics

PROJECTS

LeadGen — Self Project

- Built a lead generation tool using FastAPI and **LangGraph** agents, integrated with LLaMA-8B and Chroma DB for real-time query response
- Designed Google Sheets functions like **=AGENT()** and **=SEARCHAGENT()** to automate data scraping and query-based lead search.
- Implemented Google Sheets frontend with HTML and **Apps Script** for seamless use of AI-powered agents directly within spreadsheets.
- Enabled end-to-end workflow automation—from lead search to data aggregation—without leaving the **Google Sheets** environment.

Hunger Quest— Self Project

- Built the backend using Go, integrated with Goorm for PostgreSQL to manage data, group orders, and bookings with high performance
- Used RabbitMQ for real-time cart updates for shared cart, ensuring all members see live item additions or removals with low-latency messaging
- Implemented Kafka to manage event-driven communication for experience bookings and inventory updates, ensuring reliable data streams
- Developed a microservices architecture with Docker for containerization and Kubernetes for orchestration, ensuring scalability
- Integrated Redis for caching, improving performance by reducing latency and enabling fast access to frequently used data like images

Registration Portal — Entrepreneurship Cell , IIT Kharagpur

- Exceeding **25,000 users** within 3 months, the portal successfully showcased its scalability and efficiency in handling the user influx
- Engaging more than **15,000 participants** from 20+ cities nationwide, the developed and implemented quiz proved highly successful
- Integrated payment gateway and REST APIs using Django and React, ensuring a smooth registration and transaction experience
- Developed an innovative referral system for Campus Ambassadors, leading to a remarkable and impactful **20% surge** in registrations

SKILLS AND EXPERTISE

Languages: C/C++, Python, JavaScript, Go

Libraries and Frameworks: Numpy, Pandas, Matplotlib, Scikit-learn, Tensorflow, OpenCV, STL, Django, MERN stack

Softwares:Git/Github, VSCode, Docker

Courses:Programming and Data Structures, Machine Learning, Deep Learning, Financial Modeling

POSITIONS OF RESPONSIBILITY

Associate Member— Entrepreneurship Cell — IIT Kharagpur

June 2024 - Nov 2024

- Collaborated on EAD Chennai 2024, driving event planning and execution, managing logistics, and coordinating with 23 Campus Ambassadors.
- Developed the EAD-LSM website using Django, overseeing design, implementation, and functionality, which has 25,000+ student visitors.
- Secured a partnership deal for a startup service program (SSP) , demonstrating strategic negotiation skills and business acumen
- Selected a team of 11 junior developers to work on the organization's projects, ensuring effective collaboration and successful delivery of tasks

Associate Manager— Entrepreneurship Cell — IIT Kharagpur

Dec 2024 - Present

- Ideated and successfully published an email newsletter that reached over 3,000 startups, leveraging Python and topmail for email automation
- Developed and deployed the GES 2025 website and a mobile app using React and React Native, ensuring a responsive, user-friendly design
- Managed a team of 11 junior developers, overseeing maintenance and development of portals and websites for smooth operations
- Led the successful execution of GES 2025, efficiently coordinating tech, operations, and outreach across teams during the 3-day summit
- Built a real-time judging portal for 12+ judges, saving 50% time with automated scoring and integrating Google Slides & OneDrive for pitch deck

Extra Curricular Activities

- Actively participated in National Service Scheme activities, leading community service projects and driving impactful initiatives
- Contributed to changing the SQL schema and adding new fields to the database for the OpenClimateFix project as a contribution