

Satyam Kumar

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EDUCATION

Course	College / University	Year
B.Tech.(CSE)	Indian Institute of Technology, Dharwad	2022-Present
Class XII (CBSE)	Sunshine Residential Public School, Patna	2019-2021

EXPERIENCE

- **Software Developer & AI Specialist Intern | CYPWNG Software Technologies** March 2025 – May 2025
 - Designed and developed AI-powered applications using Python, Flask, and machine learning frameworks such as TensorFlow and PyTorch.
 - Built and integrated ML models for NLP, recommendation systems, and image processing tasks.
 - Developed scalable RESTful APIs and data pipelines to support real-time AI-driven services.
 - Contributed to full-stack development, ensuring smooth integration between AI modules and frontend/backend systems.
 - Followed Agile methodologies, participated in daily standups, and conducted peer code reviews to maintain project quality and meet deadlines.
- **Intern | Acharya Academy Pvt. Ltd. ([Project](#))** December 2024
 - Developed a mobile application using Flutter and Flask to manage outing requests for students, wardens, and parents.
 - Integrated Google Sheets API for backend data storage and request tracking.
 - Implemented secure RESTful APIs and service account authentication to ensure data integrity and access control.
 - Enabled real-time updates and seamless data synchronization between frontend and backend.
 - Applied input validation techniques to ensure accurate and reliable request processing.

PROJECTS

- **Security and Management System (SAM) ([Project](#)) ([Live Link](#))**
 - Designed, developed, and deployed a paperless outpass system for IIT Dharwad, adopted by **1,000+ students**, reducing manual paperwork by **100%**.
 - Built using Flutter, Flask, and Python, with seamless integration of Google Sheets API, Google Sign-In, and QR/Barcode scanning, achieving **99.9% uptime**.
- **Bulk Emailing and Mail Merge ([Project](#))**
 - Engineered a bulk email automation tool capable of sending **5,000+ personalized emails/day** with mail merge, batch scheduling, and delivery analytics.
 - Optimized system to bypass SMTP daily limits, reducing operational costs by **40%** and increasing delivery success rate to **98%**.
 - Enabled dynamic email template creation, improving engagement and click-through rates by **25%** in outreach campaigns.

SKILLS

- Python, C++, C, Dart, Data Structures and Algorithms, Artificial Intelligence and Machine Learning
- Flutter, Flask, PostgreSQL, SQL, Excel
- HTML, CSS, Bootstrap
- PySpark, Git, Docker, Kubernetes, Jenkins

OTHER ACTIVITIES

- Council Member, Rhapsody (Music Club), IIT Dharwad- Contributed to event planning, coordination, and club activities to promote music and cultural engagement on campus.
- Performed in Inter-IIT solo-singing Competition