

SATYANSHU

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Education

Indian Institute of Technology, Guwahati (IITG)

Oct. 2022 – May 2026

B.Tech in Engineering Physics - CPI: 7.8 (current)

Guwahati, Assam

Relevant Coursework

- Data Structures
- Linear Algebra
- Algorithm Analysis
- Differential Equations
- Operating Systems
- Multivariate Calculus
- DBMS
- Mathematical Physics

Experience

Amazon India

May 2025 – July 2025

Software Development Intern

Hyderabad, India

- Implemented a system to **trace and roll back** membership history changes in **Maple** (Amazon's role-based access management system), improving transparency of policy-driven access control across org memberships.
- Built **CSV export** functionality for added/removed members using **SuperCSV** and integrated storage in a dedicated **S3 bucket** across environments.
- Developed an API to generate **pre-signed download URLs** for CSV files, integrating them with **Ruby** middleware.
- Expanded unit tests that achieved more than **90% coverage**, catching edge-case bugs before production.

Projects

Nutri-Genius

Apr 2024 - Jun 2024

Personal Project

<https://bit.ly/4mCKrfo>

- Built a **full-stack calorie tracker** and implemented features to search for foods, track daily calorie intake, and provide complete diet analysis with clear, at-a-glance daily summaries and concise per-meal breakdowns on entry.
- Integrated with a **Nutrition API** to fetch nutritional information for various foods including micronutrient details.
- Tech stack: **Django, HTML, CSS**.

TraineeX

Aug 2025 - Sep 2025

Personal Project

<http://bit.ly/3Ikni2X>

- Designed a desktop scheduling platform with **role-based dashboards** (Admin/Trainer), clash-free calendars, bulk assignments, full CRUD, and auto monthly reports for organizations to streamline routine training operations.
- Deployed reliable **CSV read and write** handling to guarantee data integrity with format checks and safeguards.

Whats-Grossing

Dec 2023 - Jan 2024

Personal Project

<https://bit.ly/whtgross>

- Created a **full-stack social media web application** using Django for backend and HTML, CSS for frontend.
- Enabled **user authentication**, allowing users to register and sign in with personalized credentials securely and reliably.
- Added features for users to **create posts** with images and text and read posts from other users with ease.
- Tech stack: **Django, HTML, CSS**.

Technical Skills

Programming: C/C++, Python, Java*

Database Technologies: SQL, MongoDB*

Operating Systems: Windows, Linux*

Miscellaneous: Git/GitHub, MATLAB*, LaTeX*

Web Technologies: HTML, CSS, Django, JavaScript*

* Elementary proficiency

Achievements

Codeforces: Highest Rating **1530 (Specialist)** | ID: Satyanshu111

- **Round 1044 (Div. 2):** Global Rank **717** among **35,000+**.
- **Round 1006 (Div. 3):** Global Rank **1260** among **58,000+**.

JEE Mains 2022: AIR **1488** among 2.2M candidates.

2022

JEE Advanced 2022: AIR **5759** among 0.15M candidates.

2022

KVPY SA 2021: AIR **423** out of around 50,000 candidates.

2021

Astronomy Olympiad IOQA: Qualified **IOQA Part 1** (top **255** students).

2020–21

Extracurricular

Google Cloud Study Jams 2023

Sep. 2023 – Oct. 2023

Hands-on Technical Labs

GDSC, RNSIT, Bangalore, India

- Completed hands-on **Google Cloud** labs covering core GCP services and workflows.
- Explored **Generative AI** on GCP; ranked among the **top 80** candidates from Tier-A colleges.