

Saarthak Verma

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EDUCATION

- **Indian Institute Of Information Technology Lucknow** Lucknow, India
Bachelor of Science in Computer Science and Artificial Intelligence; CGPA: 8.35 Dec. 2021 – June 2025

PROJECTS

Online-Judge:

- Implemented a robust tech stack consisting of **Django, React, PostgreSQL, CSS, Git, Docker, Gunicorn, and Nginx**
- The focus of this project was to develop an Online Judge to conduct lab evaluations and coding events in colleges. [Website](#) [Github](#)
- Online Judge executes code **securely** and returns appropriate **verdict**(Accepted, Wrong Answer, Runtime Error, etc)
- The Django Web framework was used to add advanced functionalities such as user authentication and authorization.
- Created a modern and user engaging UI using **React and CSS**.
- Used **PostgreSQL** as the database, **optimized** data models for **efficient query** performance and scalability
- Employed **Docker** to containerize the application and make it **deployment-ready**
- Deployed on **AWS** in production with **Nginx and Gunicorn**

Scrap-it:

- A modern tech stack, featuring **Express, Mongoose, MongoDB, Python, Scrappy and Docker**, was utilized.
- The primary objective of this project was to create a unified platform that enables users to receive job updates in one place, eliminating the need to sign up for multiple websites. [Website](#) [Github](#).
- Developed a **Web Scraper** written in **Python** that collects job details from **indeed.com, naurkri.com and timesjob.com**.
- Created a website using **React and CSS** to search for jobs and provide **updates**.
- **MongoDB** is used as the database.
- Used **Docker** to containerize the application.

ACHIEVEMENTS

Competitive Programming

- **Specialist** at *Codeforces* / **4*** at *Codechef* (handles : Saavrm26, saavrm, dr_vader, saavrm26, mostlyoptimistic, SaavrmLt)
- Ranked **375** out of **4992** teams in **ICPC India Preliminary Round 2021**, Team: Can't code, pls help
- Ranked **387** out of **2306** teams in **ICPC India Preliminary Round Kanpur-Mathura 2022**, Team: Cookie
- Ranked **627** out of **2350** teams in **ICPC India Preliminary Round Amritapuri 2022**, Team: Cookie
- Codeforces best **Div.2** rank **748** / **Div.3** rank **505**
- Codechef best *Div.2* rank **40** / *Div.3* rank **4**
- Best *LeetCode (Weekly 343)* rank : **662** (handle: *SaavrmLt*)
- Best *Atcoder ABC* rank **1800** (handle: *mostlyoptimistic*)
- *Problem Setter* for **IIITL-Cup (Prelims,Finals)**, **Freshers-Cup (Prelims,Finals)**, Code Arena, CodeByte
- *Google Kickstart 2022 Round E* rank under **2500** (handle: *Saavrm26*)
- *Google Farewell Round A* Rank : **763** (handle: *Saavrm26*)
- overall **1000+** problems solved on major problem-solving (Codeforces, Codechef, LeetCode, Atcoder, CSES, USACO)
- **150+** Coding Competition Participations

Development / Open Source

- Completed Hacktoberfest 2022
- Participated in Hackofiesta v3

PROGRAMMING SKILLS

- **Languages:** Python, Javascript, C++, SQL, Java
- **Technologies:** AWS, Firebase, MongoDB, MySQL, PostgreSQL, Docker, Kubernetes, Nginx, Gunicorn
- **Libraries and Frameworks:** Django, Flask, Express, React, Stripe, Scrappy, Selenium