

ESHAAN AGGARWAL

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Computer Science and Engineering IIT (BHU), Varanasi	9.54	2025
CBSE (XII)	Fr. Agnel School, Noida	99.000	2021
CBSE (X)	Fr. Agnel School, Noida	98.830	2019

SKILLS

- **Languages:** C++, Python, Javascript, Typescript, Rust, SQL
- **Technologies and Frameworks:** Vue, React, Express, GraphQL, Apollo Server, MongoDB, MySQL
- **Interests:** DSA, Web Development, Testing, Serverless Functions, Bots and Automation, Problem Solving

INTERNSHIP/TRAINING

Google Summer of Code 2023 (The Palisadoes Foundation)

May 2023 - July 2023

- The Palisadoes Foundation is a non-profit promoting equitable access to life opportunities for STEM education.
- Worked on the [Improved Event Management](#) project, which involved developing the **backend API** in GraphQL and the **frontend web UI** in React to provide support for management of events, tasks, and volunteers.
- The project ensures **100% line and branch test coverage** for all changes using Vitest and React Testing Library.
- **Exposure:** MongoDB, Apollo Server, GraphQL, Express, Vitest, React, Typescript, Material UI

PROJECTS

Saras | UPSC Preparation Telegram Bot

- A telegram bot built completely on **webhooks** and **serverless functions** that aids students in **personalized UPSC** preparation through repeated revision and tracking their cumulative performance.
- Integration with **OpenAI** allows users to generate questions from custom content via file uploads dynamically.
- **Exposure:** Deno, Typescript, Grammy, Serverless Functions, Supabase, OpenAI | [GitHub Link](#)

Research Literature Manager

- Web app to manage all the research papers read by scholars and to get recommendations for new papers.
- To be featured in the first [Semantic Scholar Symposium](#) which is being organised on 16 August 2023.
- **Exposure:** Nuxt, GitHub Actions, APIs, HTML, CSS | [GitHub Link](#)

POSITION OF RESPONSIBILITY

Tech Executive | Technex '23

Jan 2023 - March 2023

- Contributed to the successful development, deployment, and maintenance of the official [Technex '23 website](#).
- Ensured performant backend transactions, along with a keen check on SEO and accessibility for the frontend.

Debug IT Mentor | COPS Week

April 2023

- Played a pivotal role in the overall management and administration of the event, which had **100+ participants**.
- Responsible for managing all the infrastructure for the conduction of the hackathon on the [COPS Hackalog Portal](#).

HONOURS AND ACHIEVEMENTS

- **Expert** on [Codeforces](#) | Max Rating: 1748
- **4 Star Coder** on [Codechef](#) | Max Rating: 1803
- **821 rank (99.9 percentile)** out of more than **0.15 million candidates** in JEE Advanced 2021.
- **Academic Excellence:** Departmental rank **7** along with the highest SPI (10) in the first semester.
- Ranked **1st** in the 24-hour Capture The Flag **Wannahack**, organized under COPS Week.

Gold Medalist in Inter IIT Tech Meet 11.0

- **First position among all IITs** in the **high prep** Grow Simplee event (ML and development based problem statement).
- Worked on developing a genetic algorithm-based route planner and optimizer for last-mile operations in Rust.
- Developed a Web UI for simulation of the deliveries by the riders in Next.js using Google Maps SDK.

Uber Hacktag 2.0 | National Finalist

- Part of the **Top 10 National Finalists** in a pool of 34K students in Uber Hacktag 2.0.
- Worked on developing a solution that can help Uber get the **next billion users** in the next decade.

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