SHREY GUPTA
Course : **B.E. (Hons.)**, Computer Science, 2026
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CGPA : 7.16

Subjects / Electives	Data Science and Algorithms, Database Systems, Object Oriented Programming, Operating Systems, Computer Architecture, Computer Programming, Logic in Computer Science, Microprocessors & Interfacing, Digital Design, Minor in Finance (Fundamentals of Finance & Accountings, Derivatives Risk Management, Financial Risk Analysis & Management, Financial Management)
Technical Proficiency	Git, JavaScript, Java, Verilog, SQL, Android Development, MySQL, C++, C++ Language, C Programming, Power BI, Python, Spring Boot, HTML, CSS, React.js, Prolog, PostgreSQL, Figma

ACHIEVEMENTS

Expert (Peak Rating: 1771, highest rating of my batch at BITS) | Codeforces - Shrey71 | Competitive Programming   **Jun 2024**
- Placed in the top 500 across all batches in India. Participated in over 100 contests across various platforms in the past 1.5 years.
- Secured a rank of 1378 in the Meta Hacker's Cup 2024 and 3532 in 2023; ranked **113 in the Indian ICPC Prelims 2024** and 994 in 2023; achieved a rank of 1200 in Codeforces Div1+2, **7th** in **CodeChef Div4**, 230 in Codeforces Div3, and 270 in Codeforces Div2.

JEE (Advanced) 2022 | Ranked 9304, Offered by most of IITs including IIT Kanpur, chose Computer Science at BITS Pilani   Sep 2022

INTERNSHIP EXPERIENCES

Software Engineering Intern, EazyComply (SaaS Startup in Delhi NCR)   **Nov 2024 - Jan 2025**
- Contributed to a SAAS platform for Governance, Risk & Compliance, enabling companies to adhere to central and local regulations.
- Worked on backend development using **Java Spring Boot** and **PostgreSQL**, delivering APIs that enable workflows for compliance audits and regulatory compliance tracking. Successfully integrated multiple APIs to enhance system functionality.

Software Developer Intern, DeTrace (Blockchain Startup in Germany)   **May 2024 - Jul 2024**
- Contributed to DeTrace's blockchain-based platform that creates digital product passports to trace ownership, condition, origin, materials, service records, and compliance history of products like EV batteries and solar panels.
- Interned as a software developer at DeTrace, focusing on frontend development using **React.js**, **HTML**, **StorybookJS**, & **Tailwind CSS**.

PROJECTS

DnC: a hyperlocal snack delivery service at BITS Goa - Entrepreneurial   **Mar 2023 - Apr 2023**
- Developed a no-code website using **ECwid**, integrating shopping carts and payment gateways and a user-friendly interface.
- Recruited, managed, and coordinated delivery agents, effectively utilizing WhatsApp groups to market the service & attract customers.
- Achieved **80,000** in net revenue with a **9% profit margin** within two weeks and gained experience in **platform development**, **team recruitment**, **service marketing**, and analyzing financial KPIs, including **net profit**, **operating profit margin**, and **working capital ratio.**

Calendify: Full-stack calendar/schedule-sharing platform - Technical   **Jun 2024 - Present**
- Developed *Calendify*, a full-stack schedule-sharing platform, enabling users to upload, share, download, comment on, & rate schedules.
- Built the application using **React.js, Modular CSS, HTML, JavaScript** for the front end, and **Java Spring Boot** for the back end. Integrated Google Calendar API and implemented **OAuth 2.0** for secure authentication and authorization. Utilized Git for version control.

Realized Volatility Spillovers in Global FX Futures: A Time-Varying Approach - Computational Finance   **Aug 2024 - Oct 2024**
- Co-authored a study under the guidance of **Prof. Aswini Kumar Mishra**, utilizing the **TVP-VAR model** and **Generalized Forecast Error Variance Decomposition** to analyze short- & long-term volatility spillovers in global foreign exchange futures before & after the pandemic.
- Analyzed realized volatility data (2009–2022) for major currencies, identifying heightened market interconnectedness during crises.

Course Allocation System for Professors - Technical   **Oct 2022 - Nov 2023**
- Developed a course allocation algorithm, inspired by **Ford-Fulkerson's algorithm**, under the guidance of **Prof. Snehanshu Saha** for the Discrete Structures course, to match professors with their preferred courses.
- Gained practical experience in **algorithm design** & optimization techniques, applying theoretical concepts to solve real-world problems.

POSITION OF RESPONSIBILITY

Coordinator - AlgoManiaX, The Coding Club of BITS Goa	**Jan 2024 - Present**
Outreach Head - The Ecology Club, The Environmental Sustainability Club of BITS Goa	**Mar 2023 - Jul 2024**
Core Member - Wall Street Club, Finance Club of BITS Goa	**Jan 2023 - Jun 2024**
Class Representative - Operating Systems - ASCII (Department of CSIS)	**Aug 2024 - Nov 2024**