Chaudhari Shreyash Kiran

Indian Institute of Technology, Goa

Third Year **Undergraduate**, **Mathematics and Computing**
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Portfolio: **Portfolio Website**
GitHub: **github.com/Shreyash39**

Education

BTech, Mathematics and Computing, Indian Institute of Technology Goa	CGPA: **7.12/10**	2023 – Present
Higher Secondary Certificate (HSC), Matoshri Junior College, Nashik	Aggregate: **78.8%**	2021 – 2023

Experience

Full-Stack Developer – Reve Gurjar Samaj Nashik (Volunteer Project) [Live] [GitHub]   (Oct 2025 – Present)
- Engineered scalable community directory platform serving 500+ registered community members across a live production platform.
- Architected real-time database operations with **Supabase backend**, implementing secure CRUD functionality, user authentication system, and optimized image storage with lazy loading
- Deployed production-ready application on Vercel with CI/CD pipeline and **SEO optimization**, improving page load performance by 60%
- Received official letter of recommendation from organization leadership for impactful technical contribution

Projects

DSA Zip Puzzle Solver [GitHub] [Live Demo] [LinkedIn]   (Jun 2025)
- Designed recursive DFS backtracking algorithm to solve constraint-based grid puzzle with wall obstacles, exploring exponential state space efficiently
- Optimized solution with **state-hashing pruning and heuristic ordering**, reducing average runtime by **70%** compared to naive approach
- Time Complexity: $\mathcal{O}(c^{n^2})$, where $c \in [1,3]$ | Tools: C++, STL, Algorithm Design, Data Structures

Spaceship Titanic Prediction – Kaggle Competition [Kaggle] [GitHub]   (Jun 2025)
- Developed end-to-end ML pipeline with feature preprocessing, outlier handling, and ensemble modeling using XGBoost and Logistic Regression stacking
- Tools: Python, pandas, scikit-learn, XGBoost, Matplotlib, Seaborn

Skills

Programming Languages:	C, C++, Python, JavaScript, HTML, CSS
Web Development:	Frontend Development, Backend Integration, Responsive Design, Full-Stack Development
Developer Tools:	Git, GitHub, Vercel, VS Code, Linux, Jupyter Notebook, LaTeX
Core CS Fundamentals:	Data Structures, Algorithms, OOP, Operating Systems, DBMS, Computer Networks

Positions of Responsibility

GDSC Club Core Member	Core Member of Google Developer Student Club at IIT Goa	(2024 – 2025)
Alpha Core Member (Finance Club)	Core Member of Finance Club at IIT Goa	(2025 – 2026)

Achievements

- Qualified for **ICPC Amritapuri Regionals 2025** with team rank 2 at IIT Goa and All India rank 209   (2025)
- **LeetCode Knight Badge:** Rating 1943, solved 600+ problems, participated in 47+ contests (100 Days, 50 Days, June Badges)   (2024-2025)
- **Codeforces Specialist:** Rating 1434 (Max: 1444), participated in 40+ contests, solved 140+ problems   (2024-2025)
- JEE Advanced: All India Rank **5207** | JEE Main: **99.21 percentile**   (2023)

Extracurriculars & Hobbies

- Represented IIT Goa as Basketball Player at Inter-IIT Sports Meet 2024-25 held at IIT Kanpur