

Chaudhari Shreyash Kiran

Indian Institute of Technology, Goa

Third Year **Undergraduate, Mathematics and Computing**

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Portfolio: my-portfolio-chaudhari-shreyash-kiran.vercel.app

GitHub: github.com/Shreyash39

Education

BTech, Mathematics and Computing , Indian Institute of Technology Goa	CGPA: 6.84/10 (Last Semester SPI: 7.3/10)	2023 – Present
Class 12, HSC , Matoshri Junior College, Nashik	Aggregate: 78.8%	2021 – 2023

Experience

Full-Stack Developer — Reve Gurjar Samaj Nashik (Volunteer Project) (Oct 2025 – Present)

- Developed end-to-end digital directory web application managing 500+ member profiles for a community organization.
- Implemented responsive UI with dynamic search, area-based navigation, and scroll-aware header using HTML, CSS, JavaScript.
- Integrated Supabase backend for real-time database management and deployed production site via Vercel with GitHub version control.
- Received Letter of Recommendation from organization leadership for outstanding technical contribution.
- [\[Live Website\]](#) [\[GitHub\]](#)

Projects

My Portfolio Website [\[Live Website\]](#) [\[GitHub\]](#) (May 2025 – Present)

- Built responsive portfolio website showcasing projects with live demos, READMEs, and GitHub repository links for enhanced discoverability.
- Implemented CI/CD pipeline with Vercel deployment and structured project documentation for professional presentation.
- Tools: HTML, CSS, JavaScript, Vercel, Git, GitHub.

DSA Zip Puzzle Solver [\[GitHub\]](#) [\[Live Demo\]](#) [\[LinkedIn Post\]](#) (June 2025)

- Designed DFS-based backtracking algorithm to solve constraint-based grid puzzle with exponential state space $\mathcal{O}(c^{n^2})$.
- Optimized solution with state-hashing pruning and heuristic ordering, reducing practical runtime by approximately 70% on test cases.
- Tools: C++, STL, Data Structures, Algorithm Design.

Used Car Price Prediction ML Model [\[GitHub\]](#) (June 2025)

- Trained Random Forest Regressor with GridSearchCV and 5-fold cross-validation; achieved MAE = 17,600, MAPE = 23.7%, $R^2 = 0.10$.
- Performed feature engineering, missing-value imputation, and hyperparameter tuning; documented model limitations and improvement strategies.
- Tools: Python, pandas, scikit-learn, NumPy, Matplotlib, Jupyter Notebook.

Spaceship Titanic Prediction – Kaggle Competition [\[Kaggle Profile\]](#) [\[GitHub\]](#) (June 2025)

- Implemented ensemble model with XGBoost and Logistic Regression stacking; applied 5-fold CV and log-loss optimization.
- Achieved 72.3% public leaderboard accuracy with focus on reproducible pipeline and model interpretability.
- Tools: Python, XGBoost, scikit-learn, pandas, Matplotlib.

Skills

Programming Languages:	C, C++, Python, JavaScript, HTML, CSS
Core CS Fundamentals:	Data Structures & Algorithms, Object-Oriented Programming (OOP), Operating Systems, DBMS, Computer Networks
Web Development:	Frontend Development, Backend Integration, Responsive Design, REST APIs, Full-Stack Development
Frameworks & Libraries:	Supabase, scikit-learn, pandas, NumPy, Matplotlib, Seaborn, XGBoost
Developer Tools:	Git, GitHub, Vercel, VS Code, Linux, LaTeX, Jupyter Notebook
Machine Learning:	Regression, Classification, Cross-Validation, Hyperparameter Tuning, Feature Engineering

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 Alpha Finance Club at IIT Goa	(2025 – 2026)

Achievements

- LeetCode: Rating 1879, Knight Badge holder (100 Days, 50 Days, June Badges) [\[Profile\]](#) (2025 – Present)
- Codeforces: Specialist [1400+ rating], active competitor with 27+ contests since March 2025 [\[Profile\]](#) (2025 – Present)
- Kaggle Competitor: Spaceship Titanic public leaderboard — 72.3% accuracy (June 2025)
- JEE Advanced: AIR 5207 | JEE Main: 99.21 percentile (2022 – 2023)

Extracurriculars & Hobbies

- Basketball Player: Represented IIT Goa at Inter-IIT Sports Meet 2024-25 at IIT Kanpur
- Open-Source Contributions: Actively maintain GitHub repositories with detailed READMEs and reproducible project notebooks