Kaustubh Barbudhe

PROFILE

Analytical and structure-driven thinker with a strong interest in streamlining systems—be it code, numbers, or workflows.
With a background in solving complex problems across technical domains, I bring curiosity, pattern recognition, and a drive to optimise.
Equally comfortable scripting, modelling data, or managing dynamic team interactions, always looking for clever, efficient solutions.

CONTACT DETAILS

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LANGUAGES

English	C1/2 – Proficient
German	B2 – Proficient
Hindi	Native speaker
Marathi	Native speaker

SKILLS

- Python, JavaScript, Node.js, C#, Java, SQL
- Git, GitHub, REST APIs, MongoDB
- Power BI, Microsoft Excel, Word, PowerPoint
- Team Management, Project Management, Leadership, Public Speaking

EDUCATION

M.Sc. Computer Engineering   **2024 – ongoing**
University of Duisburg-Essen, Germany
◇ Focus: Intelligent Networked Systems, data systems, software design

B.E. Computer Science Engineering   **2018 – 2022**
Chandigarh University, India
◇ Graduated with Honours. Focus on systems, algorithms, applied computing

School Education (Class X & XII)   **2014 – 2018**
St. Xavier's – Ryan International School, India
◇ Science stream with Computer Science, graduated with distinction

PROJECTS

OpenLAP Visual Analytics Platform
◇ Team of 7 – Open-source learning analytics dashboard with customizable visualizations. Contributed frontend modules, API integration, and Kanban-based project coordination.
◇ **Tech:** Angular, Java, MongoDB, REST API, GitHub Projects   View Project

Silent Spray – Stealth Game (Unity)
◇ Team of 4 – 2D stealth-action game featuring graffiti spray mechanic, AI patrol logic, and scene transitions. Served as Tech Lead and Project Manager overseeing design and implementation.
◇ **Tech:** Unity, C#, Git, Kanban tools   View Project

NeuroCompass – Course Recommender System
◇ Team of 6 – Web platform suggesting optimal academic paths based on user preferences and course mapping. Worked on backend logic and data flow integration.
◇ **Tech:** Flask, Python, HTML/CSS   View Project

EquiPulse – Stock Trend Analyzer
◇ Individual – Developed a tool to analyze trends and improve trading decisions, leveraging pattern mining and macroeconomic indicators. Achieved a 5× ROI using this approach.
◇ **Tech:** Python, pandas, yfinance, scikit-learn

VOLUNTEERING

Language Guide   **2023–2024**
Studierendenwerk Duisburg-Essen
◇ Supported international students with German-English communication and integration during university onboarding events.

Team Liaison   **2018**
International Folklore Festival, Chandigarh University
◇ Served as liaison for Team Singapore during the university-hosted folklore festival. Coordinated logistics, travel, and cultural exchange.

School Fundraiser   **2006–2016**
HelpAge India Campaigns
◇ Raised funds annually from Class 1 to 10 to support elderly care through HelpAge India initiatives.

HOBBIES

Swimming, hiking, listening to unplugged music, travelling, watching documentaries