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Summary

Computer Science undergraduate (AI & ML) with foundational experience in data analysis, Python-based fraud detection, and open-source contributions across multiple global programs. Skilled in data wrangling and visualization using Python, with a strong interest in applying analytical techniques to real-world datasets. Seeking an entry-level Data Analyst role.

Education

Polaris School Of Technology

Integrated B.Tech in Computer Science (AI and ML)

2025 – Present

SGPA: 8.88

Experience

Open Source Contributor | [Contributions](#)

Dec 2025 - Present

- Actively contributing to open-source ecosystems through programs such as Google Summer of Code (**GSoC**) projects, Summer of Bitcoin (**SoB**), Linux Foundation Mentorship (**LFX**), Code for GovTech (**C4GT**), and Outreachy.
- Worked on real-world codebases such as Dart, SageMath, Caravan, headlamp, and several others.
- Collaborating with developers worldwide to improve codebases, fix issues, and implement new features.
- Gaining hands-on experience with real-world development workflows, version control (Git/GitHub), and collaborative coding practices.

OJT Intern

Nov 2025 - Dec 2025

- Developed **NextRead**, a MERN stack-based AI-powered news platform with bias filtering, multilingual support, and optimized content delivery for low-bandwidth environments.
- Designed and implemented a system to analyze news from multiple sources, remove bias, and present only verified factual information.
- Focused on improving user trust by eliminating ads and avoiding attention-driven content delivery.
- Gained hands-on experience in building real-world applications, problem-solving, and translating ideas into functional systems.

Projects

Fraud Detection System — *Python, Pandas, Matplotlib, Seaborn* — [GitHub](#)

- Analyzed a dataset of **284,807 financial transactions** to identify patterns associated with fraudulent activity using Python and Pandas.
- Engineered rule-based features including high-amount flags and transaction frequency thresholds to score transaction risk.
- Evaluated detection results using accuracy, precision, and recall metrics to understand model performance.
- Visualized fraud distribution and feature relationships using Matplotlib and Seaborn.

Sherlock – Chain Analysis Engine — *Bitcoin, Data Analysis* — [GitHub](#)

- Built a blockchain analysis engine to process Bitcoin block data using heuristic-based classification.
- Implemented techniques like common input ownership and change detection.
- Developed CLI tools to parse raw block files and generate structured reports.
- Designed a web visualizer for transaction insights and block-level analytics.

Smart City Data Dashboard — *HTML, CSS, JavaScript, Chart.js* — [GitHub](#)

- Developed a responsive dashboard to visualize real-time urban data using APIs.
- Integrated weather and AQI data with interactive charts.
- Implemented dynamic UI with city selection and real-time updates.

Technical Skills

Languages: Python, SQL, JavaScript, Dart

Analytics: Pandas, NumPy, Matplotlib, Seaborn

Web: HTML, CSS, React, Node.js

Tools: Git, GitHub, Docker, VS Code, Microsoft Excel

Skills: Data Analysis, Exploratory Data Analysis, Statistical Analysis, DSA, Debugging

Achievements & Participation

- Selected as a contributor/Mentee in **GirlScript Summer of Code (GSSoC)**.
- Built **VAANI** at **Vibeathon 2025**, a voice-powered AI website builder focused on accessibility.
- Participated in **VibeCon 2026**, where I developed **MergeShip**, an open-source ecosystem and organization management platform.