

SHEIKH MOHSIN

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sheikh-mohsin

SheikhMohsin9311

Portfolio

Profile Summary

Second-year B.Sc. Computer Science and Business Analytics student at FLAME University, admitted on a full merit-based scholarship. Strong inclination toward systems research, algorithmic reasoning, and data-driven problem solving. Experienced in Python, C++, and web technologies, with hands-on exposure to data analysis, automation, and applied research. Interested in research-driven environments where computational methods intersect with real-world social and technical systems.

Education

FLAME University, Pune

Aug 2024 – Present

B.Sc. Computer Science & Business Analytics (**Full Ride Scholarship Recipient**)

Current GPA: 7.4/10

- Selected among a limited cohort for a university-wide merit scholarship based on academic performance, potential and need.
- Relevant coursework: Data Structures & Algorithms, Systems Programming, Theory of Computation, Data Mining, Algorithmic Thinking.
- Member of Dot Slash Club (Programming, competitive problem solving, hackathons).
- Completed interdisciplinary projects integrating Computer Science with Philosophy and Public Policy.

Jawahar Navodaya Vidyalaya, Ganderbal

2017 – 2024

Senior Secondary Education (**Merit Scholarship, Residential**)

- Admitted through a state-level competitive examination for fully funded residential education (Grades 6–12).
- Extracurricular Head and Atal Tinkering Labs Coordinator; taught 3D printing and prototyping fundamentals to junior students.
- Active member of Badminton and Debate teams.

Experience

Goonj, Delhi

May 2025 – Jul 2025

Research and Operations Intern

- Analyzed large-scale book donation and redistribution data to identify utilization patterns and operational inefficiencies.
- Designed structured datasets and visual summaries to quantify program reach, material flow, and impact.
- Proposed data-backed process improvements for sorting, allocation, and redistribution workflows.
- Coordinated with field teams and interns to align on-ground observations with operational data.

PartyHub (Remote)

Jul 2025 – Aug 2025

QA Testing Intern

- Performed systematic testing of frontend and backend features to ensure stability across product releases.
- Authored detailed bug reports including reproduction steps, edge cases, and expected behavior.
- Validated API responses, feature integrations, and cross-device compatibility.
- Gained exposure to real-world QA workflows, release validation, and issue tracking systems.

Discover India Program (DIP)

Sept 2025 – Present

Research — Taraksi (Silver Filigree)

- Collaborating in a 13-member, faculty-facilitated research project examining the transition of Taraksi (silver filigree) from traditional craft to commercial practice.
- Conducting literature review and secondary research on the historical evolution, techniques, and socio-cultural significance of Taraksi.
- Designing field survey frameworks and preparing semi-structured interview questionnaires for artisan interactions.
- Contributing qualitative insights and analytical notes for academic documentation and cultural analysis.

Projects

Personal Website & Portfolio | HTML, CSS, JavaScript, Vercel, Node.js

GitHub

- Designed and developed a responsive personal website from scratch and deployed on Vercel.
- Used as a sandbox for experimenting with frontend architecture, deployment workflows, and iterative design.

Python Automation Tools | Python

GitHub

- Built Python scripts to automate data processing, file organization, and repetitive workflows.
- Implemented data cleaning pipelines and basic report generation for academic and personal use cases.

Data Analysis Projects | Python, Pandas, Matplotlib

- Conducted exploratory data analysis on public datasets to examine socio-economic and educational trends for numerous academic course and projects.
- Applied visualization and statistical reasoning to extract interpretable insights from raw data.

Technical Skills

Programming & Tools: Python, C++, JavaScript, SQL, HTML/CSS, Git/GitHub, Linux, LaTeX, Markdown.

Data & Algorithms: Data Structures & Algorithms, Data Analysis, Data Mining, Data Visualization, Statistical Reasoning.

Systems: Systems Programming, Unix command line, basic AWS, testing and QA workflows.

Soft Skills: Technical writing, research communication, independent learning, analytical thinking, collaboration.

Languages: English, Hindi, Urdu, Kashmiri.

Writing & Publications

Deccan Herald: Co-authored faculty-collaborative article on education policy and technology — [“Lost in Instruction”](#)

Kashmir Poetics: Contributed reflective and literary writing — [kashmirpoetics.com](#)

Comfortable synthesizing research material and communicating technical ideas to diverse audiences.

Research Interests

Systems Research: Operating systems, distributed systems, performance optimization.

Algorithms: Complexity theory, graph algorithms, approximation methods.

Computational Social Science: Resource allocation, accessibility, technology for development.

Technology & Policy: Digital governance, education technology, socio-technical systems.

Leadership & Service

FLAME University — Karta Initiative

University Leader

- Coordinated student transition and orientation programs for incoming cohorts.
- Conducted weekly mentoring check-ins, providing academic guidance and peer support.