

ALOK PANDEY

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Birla Institute of Technology, Mesra

github.com

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OBJECTIVE

Motivated Computer Science undergraduate seeking a Software Engineering Internship at Visa to leverage foundational skills in C++, Java, and web technologies, while gaining hands-on experience with user-centered design, software development methodologies, and collaboration in a high-performing team environment.

EDUCATION

- **Birla Institute of Technology, Mesra, Ranchi**
B.Tech in Computer Science and Engineering Expected Aug 2027
- CGPA: 8.01/10 (4th semester)

TECHNICAL SKILLS

- **Languages:** C++ (proficient), Python, Java (beginner), JavaScript (basic)
- **Tools and OS:** Linux (terminal, Bash, SSH, curl), Git, GitHub, VS Code, Jupyter, Windows, MacOS familiarity
- **Databases:** PostgreSQL, SQLite
- **Frameworks and Libraries:** Streamlit, NumPy, Pandas, Matplotlib, Seaborn
- **Core Subjects:** Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Organization and Architecture, Object-Oriented Programming, Computer Networks, Software Engineering
- **Additional:** Basic knowledge of Accessibility (Section 508, WCAG 2.0), MS Excel, Word, PowerPoint, Basic Wireshark for network monitoring, GSSoC Contributor

EXPERIENCE

- **Open Source Contributor**, GirlScript Summer of Code
Remote 2025
 - Contributed to Python/JavaScript projects, implementing features and fixing bugs following Agile best practices.
 - Collaborated with remote teams using Git, performed code reviews, and maintained project documentation.
- **Self-Study**, Personal Projects and Practice
2024–Present
 - Completed tutorials and built projects involving HTML, CSS, JavaScript, and responsive design principles.
 - Practiced usage of Objective-C basics and Android SDK exploration for mobile development exposure.

PROJECTS

- **ConvertX — File Converter Application** Deployed on Streamlit Cloud
 - Developed an application using Python Streamlit framework for seamless PDF, DOCX, and TXT file conversion.
 - Implemented interactive UI features with focus on usability, accessibility, and performance.

COMMUNITY

- NSS Volunteer (2023-25): Organized blood donation camps and awareness events promoting rural health and hygiene.