



SHLOK BHUTANI

FRESHMAN AT UNC CHAPEL HILL

Contact

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Professional Summary

Driven student with various leadership experiences in tech initiatives and nonprofit management, skilled in Python, React, and data analysis. Proactive and assertive, consistently demonstrating leadership and technical skills with a commitment to achieving ambitious goals. Eager to leverage diverse skills and experiences to excel in academic pursuits and contribute to future projects.

Skills

- Public Speaking
- Python
- TypeScript
- MySQL
- Microsoft Excel
- Mendix
- React
- Data Analysis (Power BI, matplotlib)
- Search Engine Optimization

Experience

PROJECT TEAM MEMBER

CS+SG — Chapel Hill, NC

Aug 2025 - Dec 2025

- Worked on the backend for the Locations module, added full pagination to GET /locations
- Updated the router and service logic, fixed Google Maps parsing, and engineered and deployed backend Autocomplete and Geolocation modules.

DATA ANALYST INTERN

BIZ-INSIGHTS IT SOLUTIONS LLP — Surat, Gujarat

May 2024 - Jul 2024

- Built a database prototype, contributed to backend coding for client websites, and became a certified Mendix Developer
- Consolidated large Excel datasets from multiple business sources and transformed them into analysis-ready tables.
- Wrote Python scripts to automate data cleaning, aggregation, and basic exploratory analysis, and gained experience in cloud computing.

SOFTWARE DEVELOPER INTERN

INDECAB — Mumbai, Maharashtra

Dec 2023 - Jan 2024

- Optimized backend services and databases, integrated multiple APIs, and gained proficiency in React and TypeScript.
- Implemented sorting, filtering, and pagination to improve data browsing and usability across the application.

- Built a dynamic interface for viewing and editing records with proper validation and real-time updates
- Learnt and collaborated in a ticket-based team workflow, contributing code through version control and iterative development.

Education

BS IN COMPUTER SCIENCE CANDIDATE

Expected graduation Dec 2028 | UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL — Chapel Hill, North Carolina

HIGHER SECONDARY SCHOOL, IN INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME

May 2025 | JAYSHREE PERIWAL INTERNATIONAL SCHOOL — Jaipur, Rajasthan

SECONDARY SCHOOL, IN CBSE

Mar 2023 | DELHI PUBLIC SCHOOL SURAT — Surat, Gujarat

Certifications

- Google Data Analytics Professional Certificate
- Harvard CS50 Coursework
- Nj FLAP Certification
- Mendix for Beginners

Leadership Experience

- President of Hands for Cause, 12/01/23, Present.
Founded and led a student-driven nonprofit, Organized several blood donation campaigns within 3 states (Gujarat, Assam, Rajasthan) with over 1,000 participants, collecting 150+ liters of blood to save 900 lives, recognized and awarded by the Surat Blood Bank.
- Head of Technology of Sustainability Club JPIS, 07/01/23, 01/31/25.
Directed the club's technical initiatives, collaborated with two peers to design and maintain the club website, and supported environmental projects including the indoor plant initiative and other sustainability efforts.
- Executive Member of Nature Club Surat, 02/10/24, 10/31/24.
Led a team of high school students to crowdfund ₹40,000 for animal care, organized multiple tree-planting drives, and was featured in a Gujarati newspaper for community impact.

Projects

- Diabetic Retinopathy Detection (ML Model)
Developed and evaluated a machine learning model using retinal image datasets to predict diabetic retinopathy risk levels; collaborated with a three-member team on data preprocessing and model testing.
- Library Database Management System
Designed and implemented a full -stack library management system for my school using PHP, Python, MySQL, and OpenGL to streamline book tracking, user records, and administrative workflows.
- Web Development Projects
Built and deployed an e-commerce website for a retail showroom and a content-managed website for a school sustainability club, focusing on usability, responsiveness, and maintainability.
- NudgeFund (Personal Finance App)
Developed a budgeting and financial literacy application that nudges users to reduce overspending, track savings, and encourage long-term investment behavior.
- OCSL Party Registration Platform (Backend Team)
Contributed to backend development for a centralized party registration system, building services for eligibility tracking, registration workflows, and structured data management.