## Sonam Choki

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## Education

**COLLEGE OF SCIENCE AND TECHNOLOGY**                                        Phuentsholing, Bhutan
Bachelor of Engineering in Software Engineering                                   July 2024 – June 2028

**UGYEN ACADEMY HIGHER SECONDARY SCHOOL**                          Punakha, Bhutan
Bhutan Higher Secondary Education Certificate (BHSEC), Science Stream        December 2023

## Projects

**COLLEGE OF SCIENCE AND TECHNOLOGY**                                        Phuentsholing, Bhutan
**Undergraduate Student**                                                             July 2024 – June 2025

**Canteen Food Ordering System**

- Collaborated with a team of 3 to design a postgresql database for a Canteen food ordering System for CST Canteen.

**Research on Cybersecurity**

- Investigated modern cybersecurity practices, including Advent Code challenges and RFC 2616 (HTTP/1.1) protocol analysis.
- Explored cryptographic techniques such as the Vigenère cipher and applied them in practical scenarios.
- Developed an Incident Response Plan for the GNH Center Bhutan to enhance their cybersecurity preparedness.

**Spotify - Clone**

- Debugged and refactored frontend (Next.js/React/HTML/CSS/JS) and backend (Node.js/Express.js) code for Spotify - clone website project (3 members).

## Leadership and Activities

**UGYEN ACADEMY HIGHER SECONDARY SCHOOL**                          Punakha, Bhutan
**Head Counsellor**                                                         February 2022 – December 2023

- Served as the voice of the student body, conveying their concerns, suggestions, and needs to teachers and school administrators.
- Gathered feedback from peers through surveys, discussions, and meetings.

## Skills & Interests

**Technical:**

- Languages: JavaScript, Python, SQL
- Web Development: HTML, CSS, React, Next.js, Node.js, Express.js, Figma, REST APIs
- Version Control: Git/Github

**Language:** English, Dzongkha (Native), Tshangla and Lhotsham (Conversational)

**Interests:** Web accessibility, Cybersecurity research, open-source contribution, Collaboration