

# Anish Kharel

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## EDUCATION

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### Berea College

Berea, KY

Bachelor of Arts in Computer Science

Aug 2020 – Dec, 2023

- GPA: 3.9/4.0 (major) | 3.6/4.0 (cum.)
- Relevant Coursework: Data Structures and Algorithms, Database Systems, Discrete Mathematics, Software Design and Implementation, Programming Languages, Electricity and Electronics.
- Full Funded by Education Grant (~157K)

## PROFESSIONAL EXPERIENCE

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### WillowTree

Columbus, OH

#### *Software Engineer Intern (Backend)*

June - Aug 2023

- Developed engaging features for a globally accessible interactive eBook platform, enhancing user experience and interaction.
- Handled backend development tasks: crafting robust **REST APIs** using **Nest.js** and **Node.js** with **TypeScript**, revamping logging system, resulting in streamlined **bug tracking** and rapid issue resolution in a production environment all while ensuring exceptional code quality through rigorous **unit testing** and thorough code reviews
- Collaborated seamlessly within an **Agile** cross-platform team, leveraging **GitHub**, daily stand-ups, sprint planning, and refinement sessions for efficient **feature delivery**.

### CNH Industrial

Burr Ridge, IL

#### *Software Test Engineer Intern*

May - Aug 2022

- Automated language translation test suites to reduce manual testing and saving over **100 hours+** man hours with **Python**.
- Performed **smoke** and **sanity tests** on new developer builds for tractor display systems
- Developed a Test Data Visualization application to display and analysis collected test data to be used by over **150+** employees on a weekly basis using **Dash**, **PostgreSQL**, **Plotly** and **Pandas**.

### Berea College Computer Science Department

Berea, KY

#### *Teaching Associate*

Aug, 2021 - May, 2023

- Assisted a cohort of students cement basic **python** concepts and general programming fundamentals like loops, conditionals, functions, classes, OOPS, file handling, lists, etc.
- Created diagrams, visuals, and examples to teach the importance of **version control software** in collaborative workspace.
- Hosted review sessions that were attended by over 25+ students who saw a higher-than-average grade on larger assessment.

### Berea College Information System and Services

Berea, KY

#### *Help Desk Technicians*

Aug - Dec 2021

- Served the 1800+ students and professors by providing diagnostics and other technical support.
- Took part in deconstructing and wiping of old computers to donate to over hundreds of local school children
- Effectively created and maintained work orders for over 1600+ students on technical issues with their Latitude Laptops.

## Technical Projects

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### toneIn | RevolutionUC

- Developed an **AI** (OpenAI **API**) powered Slack (Slack's **API**) bot that provide summary and tone analysis that won "Best User Engagement" and "Overall 1<sup>st</sup> Place" over 200 participants.

### GiftBook | Volhacks V

- Collaborated with 4 teammates to develop a prototype web application of a social media-based gift registry that won "AT&T Nomination for best project."
- Built using google backed **Flutter** and **Dart** while simultaneously learning those languages in the span of 30 hours.

### Virtual Nims | Extension of Class Lab work

- Converted the mathematical Nims game into a virtual setting using **python** for logic and Tkinter library for GUI with an emphasis on **Object-Oriented Design**.

## Skills and Other Information

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**Tech Stack:** Python, C++, Typescript, SQL, Node, Nest.js, Docker, Postman, Github

**Developing Paradigms:** Object – Oriented Programming, Data Structures, API, AI

**Soft Skills:** Problem-solving, Resourceful, Communication, Team-player, Public Speaking