

Anish Kharel

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EDUCATION

Berea College

Bachelor of Arts in Computer Science

Berea, KY

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

American Academy of Pediatrics

Technical Analyst

Itasca, IL

March - Sept 2024

- Saved over 60 hours of manpower yearly by automating complete network configuration backups using **Python** and the **Meraki Dashboard API**.
- Accomplished a 20% reduction in setup time by developing **PowerShell scripts** for laptop configurations, saving over 200+ man-hours during refresh cycles.

WillowTree

Software Engineer Intern (Backend)

Columbus, OH

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** (a **Node.js** Framework), 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 (Jest)** 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

Software Test Engineer Intern

Burr Ridge, IL

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 running on **CANalyzer**.
- Developed a Test Data Visualization application to display and analyze 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

Teaching Associate

Berea, KY

Aug, 2021 - May, 2023

- Assisted a cohort of students cement **Python** concepts and general programming fundamentals like loops, conditionals, functions, classes, OOPS, file handling, lists, etc.
- Hosted review sessions that were attended by over 25+ students who saw a higher-than-average grade on larger assessment.

Technical Projects

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 1st 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.

ClientBook | Extension of Class Lab work

- A full-stack Client Management Service application that utilizes **.Net framework** and **Entity Core** to build an immersive application for small-tier client management.

Skills and Other Information

Tech Stack: Python, Typescript, C#, .Net, SQL, AWS, NodeJS, NestJS, Docker, Postman, Git

Developing Paradigms: Object – Oriented Programming, MVC, SLDC, RESTful APIs, Data Structures

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