

# Neh Patel

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## ▼ University of Tennessee at Knoxville

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- Major: Computer Science
- GPA: 4.0/4.0, Summa cum laude
- Expected Graduation: Undergraduate: May 2023, Masters: May 2024

## ▼ Awards

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- The University of Tennessee at Knoxville Gonzalez Family award for Outstanding Student in Computer Science 2020 - 2021

## ▼ Skills

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- Proficient in C++, C, Python, HTML, Java, CSS, and Scala
- Basic knowledge of SQL, TypeScript, JavaScript, Spring Boot

## ▼ Projects

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- Search Engine:
  - Developed a crawler that would automatically assess the relevance of documents based on a user-supplied queries, by utilizing web crawling and TF-IDF vectorization. Cleaned and quantified over 10,000 words in the process.
- Moderation Bot:
  - A discord bot that would moderate the server by assigning roles and banning members if they said anything offensive. Was hosted on the cloud from June 2020 to September 2020.

## ▼ Work experience

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- Garmin Intern (May 2022 – Aug 2022):
  - Updated and Maintained backend services over 4 different departments in Avionics.
  - Implemented new features using Scala and TypeScript to overall improve the accuracy of data that is used to calculate the status of Avionic map downloads of 5 important regions.
  - Eliminated problematic data and conducted testing utilizing SQL in over 10 tables.
- UTK Undergraduate Research Assistant (Nov 2021 – May 2022):
  - Converted more than 10 GB of binary data to workable NetCDF format.
  - Utilized internal UTK APIs to visualize 4 geographic mapping regions for the National Park Service.
  - Integrated the visualizations in a web framework using Python to host 3 different sites.
- UTK Tutor (Feb 2021 – Dec 2021):
  - Enhanced around 10 students' understanding about computer science courses based around Assembly programming and Data Structure and Algorithms.