# Neh Patel

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# ▼ University of Tennessee at Knoxville

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

# ▼ Awards

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

# ▼ Skills

* Proficient in C++, C, Python, HTML, Java, CSS, and Scala
* Basic knowledge of SQL, TypeScript, JavaScript, Spring Boot
* Comfortable in Microsoft, Mac and Linux systems

# ▼ Projects

* Search Engine - Using web crawling and TF-IDF vectorization, I created a web crawler that would automatically assess the relevance of documents based on a user-supplied queries.
* 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

* Garmin Intern (May 2022 – Aug 2022):
  + Improved and Maintained the Fly Garmin Website alongside the Avionics Web team.
  + Implemented new features using Scala and TypeScript to overall improve the accuracy of data.
  + Eliminated problematic data and conducted testing utilizing SQL in a PostgreSQL Database.
* UTK Undergraduate Research Assistant (Nov 2021 – May 2022):
  + Converted large amount of binary data to workable NetCDF format.
  + Utilized internal UTK APIs to visualize geographic mapping data for the National Park Service.
  + Integrated the visualizations in a web framework using Python.
* UTK Tutor (Feb 2021 – Dec 2021):
  + Enhanced around 10 students’ understanding about computer science courses based around Assembly programming and Data Structure and Algorithms.