# Neh Patel

Email: npatel79@vols.utk.edu

Permanent Address: 3002 Catoosa Ridge ln. Greenbrier, TN 37073 (615) 609-3141

# ▼ 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

# ▼ Projects

* 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

* 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 npat-Data Structure and Algorithms.