

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
- 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.