

Divyanshu Patel

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EDUCATION

Clemson University, Clemson SC
Bachelor of Science (BS) in Computer Science

May 2023
GPA: 3.87/4.00

EXPERIENCE

Itron

Software Engineering Co-op

January 2022 – August 2022

Clemson, SC

- Designed and maintained automated tests and product configurations using **C#** and **XML** to evaluate and investigate functional firmware devices
- Developed a Web Application using **JavaScript** to automate conversion of custom OBIS codes to a valid product configuration XML tag
- Worked with the Firmware DevOps team utilizing **Azure DevOps**, Agile Methodologies and **Git**

SPECTRA Creative Inquiry Program

Undergraduate Researcher

August 2020 – April 2021

Clemson, SC

- Completed a research project on reverse engineering an open-source Android Application identifying and demonstrating its applied design patterns and software architecture
- Developed a functional Hexa-directional keyboard in a team of two using 3D modeling, **Arduino**, and **C++**

Zero Connect

Operations and Data Analyst

January 2017 – August 2020

Easley, SC

- Analyzed and manipulated databases using **SQL** queries to produce reports to highlight Sales, Inventory, and Production patterns
- Developed length calculation tool implemented in production using **JavaScript**, **HTML**, and **CSS**

SKILLS AND TOOLS

Programming Languages: JavaScript, Python, Java, C#, C++, C, Go

Web Development: HTML, CSS, JavaScript, NodeJS, Express, Bootstrap, Tailwind CSS

Platforms and Databases: SQL, MongoDB, GIT, Android Studio, Visual Studio, Azure DevOps

PROJECTS

File Metadata Microservice, Spring 2022

- Built a microservice using NodeJS and Express JS to provide a file's metadata to the user in JSON

The Secondary Frontier, Fall 2021

- Led a team of three to build a webpage that lets user visualize budget data of all the NASA missions beyond earth using HTML, CSS, JavaScript, and D3.js.

Universe in Pixels, Fall 2020

- Led a team of four at CU Hackathon to design and develop a Mobile Application that uses NASA's API to fetch live location of the ISS and allow users to view any pictures taken on mars by NASA's rovers