Divyanshu Patel

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EDUCATION

Clemson University, Clemson SC — **December 2023**
Bachelor of Science in Computer Science — *GPA: 3.90/4.00*
Second Semester Junior

EXPERIENCE

SPECTRA Creative Inquiry Program — **August 2020 – April 2021**
Undergraduate Researcher — *Clemson, SC*

- Completed a research project on reverse engineering an open-source Android Application
- Demonstrated its applied design patterns and functionality in front of 25 Clemson University Faculty and Alumni
- Developed a functional Hexa-directional keyboard in a team of two using 3D modeling, **Arduino**, and **C++**

Zero Connect — **January 2017 – August 2020**
Operations and Data Analyst — *Easley, SC*

- Analyzed and manipulated databases using **SQL** queries to produce reports to highlight Sales, Inventory, and Production patterns
- Developed cross-platform calculation tools implemented in production using **JavaScript**, **Java**, **HTML**, and **CSS**
- Led and facilitated day to day operations of staff functions overseeing two teams of 20 employees

SKILLS AND TOOLS

Programming Languages: C++, C, Java, Python, C#
Web Development: HTML, CSS, JavaScript, Bootstrap
Database: SQL
Tools and Platforms: GIT, Junit, Android Studio, JetBrains, Visual Studio

PROJECTS

Gauntlet, Summer 2021

- Led a team of 12 as a Project Manager and Senior Developer to build an Atari Gauntlet style game implementing SOLID design patterns, and ECS software architectural pattern using Java, Python, and OpenCV.

Hydro Bottle, Spring 2021

- Built a product landing page, Hydro Bottle, a water bottle company, using Responsive Web Design.

Universe in Pixels, Fall 2020

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

RELEVANT COURSES

Data Structures and Algorithms, Software Development, Linear Algebra, Discrete Mathematics, Computer Organization, Programming Methodology, Software Engineering, Data Visualization