

Divyanshu Patel

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EDUCATION

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

May 2023

GPA: 3.87

Greenville Technical College, Greenville SC
Associate of Science in Science

May 2020

GPA: 3.69

SKILLS AND TOOLS

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

Web Development: SQL, MongoDB, NodeJS, Express, Bootstrap, Tailwind CSS, HTML, CSS

Platforms and Frameworks: GIT, Azure DevOps, Android Studio, Visual Studio

EXPERIENCE

Itron – Software Engineering Co-op – *Clemson, SC*

January 2022 – August 2022

- Designed and maintained automated tests and product configurations using **C#** and **XML** to evaluate and investigate functional firmware devices
- Developed microsites 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**

Clemson University Spectra – Undergraduate Researcher – *Clemson, SC*

August 2020 – May 2021

- Designed a patent pending hexa-directional keyboard in a team of two using **Arduino**, **C++**, and 3D Design
- Reverse Engineered an open-source Android Application demonstrating its applied design patterns and system architecture to a group of 18 engineers

Zero Connect – Operations Analyst - *Easley, SC*

January 2017 – August 2020

- Led teams of up to 20 employees in operations of assembly production, inventory reconciliation and shipping and receiving, maintaining efficiency and speed of 90% or more
- Increased Assembly production speed by 8% by developing an automated fiber length calculation tool implemented in production using **JavaScript**, **HTML**, and **CSS**

PROJECTS

Cosmos Capsule – *Python, FastAPI, Pandas, NumPy*

February 2022 – Present

- Developed an API to make planet data and NASA's planetary mission budget data accessible to developers, educators, and data scientists
- Incorporated web scraping and data cleanup to provide data for 20 different properties of planets and budget data for 49 NASA Missions

Light Crawl – *Golang*

January 2022 - Present

- Developed a lightweight web scraper and web crawler with focus on ease of use and speed
- Implemented concurrency to handle multiple URLs reducing wait time by up to 32%

ENGAGEMENT AND LEADERSHIP

Shining Stars – Tutor – *Greenville, SC*

August 2020 – May 2021

- Worked interpersonally with clients teaching more than 25 students with tailor-made curriculum in Calculus, Computer Science, and Trigonometry
- Collaborated with students and parents to determine student goals, develop tutoring plans, and assess student progress

Code for America - Greenville Brigade – *Android Developer - Greenville, SC*

June 2018 – August 2020

- Implemented a user feedback feature on the Greenville Trolley Tracker open-source android platform to collect user feedback and ideas to guide the open-source project
- Fixed critical bugs to prevent application crash during loss of internet connectivity