

Divyanshu Patel

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EDUCATION

Clemson University , Clemson SC <i>Bachelor of Science (BS)</i> in Computer Science	May 2023 GPA: 3.87
Greenville Technical College , Greenville SC <i>Associate of Science</i> 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

Clemson University – Web Developer Intern – <i>Clemson, SC</i>	August 2022 – Present
<ul style="list-style-type: none">Upgraded user registration fields and modified migration scripts to allow data migration rollbacks for faster testing on user databasesCurrently working with the Clemson University Center for Workforce Development department, utilizing Django, React, MySQL, and Docker to develop new features for the learning management system	
Ittron – Software Engineer Co-op – <i>Clemson, SC</i>	January 2022 – August 2022
<ul style="list-style-type: none">Developed two microsites using JavaScript to automate conversion of custom OBIS codes to a valid product configuration XML tag improving feature development efficiency by up to 11%Designed and Automated 183 Firmware tests using C#, XML, and Agile Methodologies, and fixed 27 medium to severe bugs within the test frameworkWorked with the Firmware DevOps team utilizing Azure DevOps, Git, and Agile Methodologies completing automated test support for 3 new features which were shipped to more than 1 million residential electricity meters	
Clemson University Spectra – Undergraduate Researcher – <i>Clemson, SC</i>	August 2020 – May 2021
<ul style="list-style-type: none">Invented a hexa-directional mechanical keyboard using Arduino, C++, and 3D Design, built for patients with Carpal Tunnel Syndrome and ArthritisReverse Engineered an open-source Android application demonstrating its applied design patterns and system architecture to a group of 14 engineers and students	
Zero Connect – Operations Associate – <i>Easley, SC</i>	January 2017 – August 2020
<ul style="list-style-type: none">Led teams of up to 20 employees in operations of assembly production, inventory reconciliation, and shipping and receiving; Maintained efficiency at a level of 93% or higherIncreased assembly production speed by 8% by developing an automated fiber length calculation tool based on customer work order, using JavaScript, HTML, and CSS	

PROJECTS

Cosmos Capsule – <i>Python, FastAPI, Pandas</i>	February 2022 – Present
<ul style="list-style-type: none">Developed an API to make planet data and NASA's planetary mission budget data accessible to developers, educators, and data scientistsIncorporated web scraping and data cleanup to provide budget data for 49 NASA missions and 20 different properties of all the planets in the solar system	
Light Crawl – <i>Golang</i>	January 2022 – Present
<ul style="list-style-type: none">Developed a general-purpose and lightweight web scraping library with focus on ease of use and speedImplemented concurrency to handle processing URLs in bulk, reducing processing time by up to 23%	

ENGAGEMENT AND LEADERSHIP

Shining Stars – <i>Tutor</i> – <i>Greenville, SC</i>	August 2020 – May 2021
<ul style="list-style-type: none">Worked interpersonally with clients teaching more than 20 students with tailor-made curriculum in Calculus, Trigonometry, and Computer ScienceCollaborated with students and parents to assess student progress and determine student goals and plans	
Code for America - Greenville Brigade – <i>Android Developer</i> - <i>Greenville, SC</i>	June 2018 – August 2020
<ul style="list-style-type: none">Implemented a user feedback feature on the Greenville trolley tracker android platform to collect user feedback and ideas to guide the open-source projectFixed a critical bug to prevent application crash during loss of internet connectivity	