

Divyanshu Patel

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EDUCATION

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| Georgia Institute of Technology , Atlanta, GA <i>Masters in computer science</i> | May 2025 |
| Clemson University , Clemson, SC <i>Bachelor of Science (B.S.) in Computer Science</i> | May 2023 |
| Greenville Technical College , Greenville, SC <i>Associate of Science in Science</i> | May 2020 |

SKILLS AND TOOLS

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

Web Development/DB: SQL, MySQL, PostgreSQL, NodeJS, Express, HTML, CSS

Platforms and Frameworks: AWS, Terraform, Docker, Gitlab CI/CD, GIT, Azure DevOps, Bash, Linux, GitHub, Agile/Scrum

EXPERIENCE

Ally – Software Engineer – Charlotte, NC **July 2023 – Present**

- Led a Capstone project in a SRE program, architecting an advanced AWS environment using Terraform, thereby elevating the cloud infrastructure skills of approximately 20 employees
- Delivered pivotal IAM role management support and training for Cloud Operations, bolstering system security and promoting independent, secure access management within the team
- Improved operational transparency and efficiency by developing a critical-application tracking feature for the DevSecOps dashboard, utilizing Flask, React, GitLab CI/CD, and AWS

Clemson University – Web Developer – Clemson, SC **August 2022 – May 2023**

- Implemented a feature using **Django** and **React** to handle multiple terms of services for users and subsites, improving compliance and security
- Upgraded user registration fields for enrolled learners, improving the accuracy and completeness of user profiles
- Migrated key-terms feature changes from the maple to nutmeg branch in multiple front-end and back-end repositories

Capgemini Salesforce – Student Software Engineer – Columbia, SC **August 2022 – December 2022**

- Collaborated with Capgemini to introduce a cross-platform web application that connects community members and helps them through everyday favors
- Designed a working application using Salesforce CRM tools with a user-friendly UI that was accessible to all age groups

Itron – Software Engineer Co-op – Clemson, SC **January 2022 – August 2022**

- Automated OBIS code conversions to XML Tags using **JavaScript**, improving feature development speed by 11%
- Designed and Automated 183 Firmware tests using **C#** and fixed 47 medium to severe bugs within the test framework
- Worked with the Firmware DevOps team utilizing **Azure DevOps** and **Agile Methodologies** to complete automated test support for three new features, which were shipped to more than 1 million electricity meters

Clemson University Spectra – Undergraduate Researcher – Clemson, SC **August 2020 – May 2021**

- Invented a Hexa-directional mechanical keyboard using Arduino, C++, and 3D Design to improve typing comfort and accessibility for patients with Carpal Tunnel Syndrome and Arthritis
- Reverse-engineered an open-source Android application to demonstrate its applied design patterns and system architecture to a group of 14 engineers and students

Zero Connect – Operations Associate – Easley, SC **January 2017 – August 2020**

- Led teams of up to 20 employees in production and warehouse operations, maintaining efficiency at 93% or higher
- Streamlined and automated multiple production processes using **JavaScript**, improving assembly production speed by 8%

PROJECTS

Cosmos Capsule – Python, Pandas, Docker **February 2022 – August 2022**

- Developed a RESTful API using the **FastAPI** framework to make planet data and NASA's planetary mission budget data accessible to educators & data scientists
- Incorporated web scraping to provide budget data for 49 NASA missions and 20 different planetary data

Light Crawl – Golang **January 2022 – May 2022**

- Developed a general-purpose and lightweight web scraping library with a focus on ease of use and speed
- Implemented concurrency to handle processing URLs in bulk, reducing processing time by up to 23%