

Divyanshu Patel

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SUMMARY

Skilled software engineer with 2 years of experience in **full-stack development**, **cloud solutions**, and **system automation**. Proficient in a variety of programming languages and tools including **Python**, **JavaScript**, **React**, **AWS**, and **Terraform**. Proven ability to architect and deploy robust solutions that improve operational efficiency and project delivery across multiple teams.

EDUCATION

Georgia Institute of Technology , Remote	May 2025
Master of Computer Science	
Clemson University , Clemson, SC	May 2023
Bachelor of Science in Computer Science	

SKILLS AND TOOLS

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

Web Development and Database: SQL, MySQL, PostgreSQL, React, Django, NodeJS, ExpressJS, HTML, CSS

Cloud and DevOps: AWS, Terraform, Gitlab CI/CD, Docker, Azure DevOps

Systems and Frameworks: Git, Bash, Linux, GitHub, JIRA, Dynatrace

EXPERIENCE

Ally – Associate Software Engineer – Charlotte, NC	July 2023 – Present
<ul style="list-style-type: none">Designed and developed five advanced Dynatrace Terraform modules, significantly enhancing system reliability by standardizing observability patterns across the company.Architected the complete automation pipeline and designed test patterns for observability modules, streamlining the management of tests, deployments, and resource decommissioning.Orchestrated a successful JIRA transition for a merger involving 5 teams; designed Agile workflows, intake collectors, and Kanban boards, enhancing project management efficiency across the organization.Co-authored a Site Reliability Engineering Enablement Playbook and coached two SRE cohorts, facilitating the upskilling of 25 employees to enhance organizational competencies.Improved operational transparency 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
<ul style="list-style-type: none">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.	
Ittron – Software Engineer Co-op – Clemson, SC	January 2022 – August 2022
<ul style="list-style-type: none">Automated OBIS code conversions to XML Tags using JavaScript, improving feature development speed by 11%.Designed and automated 183 firmware tests using C#, and resolved 47 bugs in Azure DevOps, supporting the deployment of 3 key features to over 1 million electricity meters.	
Clemson University Spectra – Undergraduate Researcher – Clemson, SC	August 2020 – May 2021
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Led teams of up to 20 employees in production and warehouse operations, maintaining efficiency at 93% or higherStreamlined and automated multiple production processes using JavaScript, improving assembly production speed by 8%	

PROJECTS

Cosmos Capsule – Python, Docker	August 2022
<ul style="list-style-type: none">Developed a RESTful API with FastAPI, incorporating web scraping to offer comprehensive planetary data and budget information for 49 NASA missions to educators and data scientists.	
Light Crawl – Golang	May 2022
<ul style="list-style-type: none">Developed a general-purpose and lightweight web scraping library with a focus on ease of use and speed.	