

Shiv Patel

[225-477-4196](tel:225-477-4196) | pshiv4255@gmail.com | [linkedin.com/in/shiivpatell/](https://www.linkedin.com/in/shiivpatell/) | github.com/CivPatel

EDUCATION

Louisiana State University

Bachelor of Computer Science, Minor in Mathematics

Baton Rouge, LA

Aug. 2022 – May 2023

Southeastern Louisiana University

Bachelor of Computer Science, Minor in Mathematics

Hammond, LA

Aug. 2023 – Present

EXPERIENCE

Client Connectivity (I/O Window)

Oct. 2023 – December 2023

Southeastern Louisiana University

Hammond, LA

- Communicate with managers to set up campus computers used on campus
- Problem-solving, automation, system setup, or troubleshooting at scale.
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

Campus Card Operations

April 2024 – August 2024

Southeastern Louisiana University

Hammond, LA

- The Campus Card Operations we Provide exceptional customer service and technical support related to campus card services
- Our office is responsible for issuing Southeastern IDs and departmental copy cards, managing the Lion's Lagniappe program and managing vending services across Southeastern's main campus and satellite campuses.

PROJECTS

Playback | *React.js, ASP.NET, JavaScript, SQL, MySQL, PostgreSQL, React.js*

Jan 2024 – May 2024

- Developed visually engaging and responsive user interfaces using HTML, CSS, and JavaScript for the Playback music and podcast platform.
- Integrated React frontend with Node.js/PHP backend to support audio streaming and authentication, ensuring seamless playback for 500+ test users.
- Boosted user engagement by designing dynamic content rendering and real-time notifications in React, reducing page load times by 20
- Applied React.js for modular frontend development, improved reliability, scalability, or performance.

EEG Circuit | *Python, Arduino (C/C++), Filtering (HPF, LPF, Notch)*

Jan 2025 – May 2025

- Designed and built an EEG (and ECG) circuit using an AD620AN instrumentation amplifier and TL084CN op-amps to measure brain wave activity and heartbeats
- Enhanced EEG signal clarity by 40 through designing a real-time signal processing pipeline with noise-reduction filters and Python-based FFT analysis.
- Utilized Processing-based software to visualize real-time brain wave data and implemented FFT for frequency domain analysis.
- Integrated Python scripts for post-processing and advanced signal analysis, including time-series plotting and feature extraction.

HelpingHands | *React.js, ASP.NET, JavaScript, SQL, MySQL, PostgreSQL*

Jan 2025 – May 2025

- Developed a full-stack web app to connect volunteers with NGOs and community events
- Created responsive and interactive frontend interfaces using React.js.
- Developed secure backend APIs and authentication flows in ASP.NET, enabling 1,000+ volunteers to reliably connect with NGOs and community events.
- Managed relational data with MySQL and PostgreSQL, including user profiles and event records.
- Ensured scalability and performance through efficient database design and RESTful API integration.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: React, Node.js, Django, Flask, FastAPI

Developer Tools: Git, Docker, Google Cloud Platform

Cloud Platforms : Amazon Web Services (EC2, S3, RDS, Lambda)