

Shivam K. Patel

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EXPERIENCE

Ace Electronics

Software Engineer Intern

January 2026 – Current

- Built a React/Express system with live timers and status workflows to digitize manufacturing steps, providing instant operational visibility and detailed audit trails.
- Developed a hardened Django authentication gateway with PBKDF2 salt+pepper hashing and TOTP-based 2FA, securing sensitive production data against brute-force and session-reuse attacks.
- Deployed a scalable stack via **Docker Compose** and **Nginx** reverse proxy, utilizing **Portainer** for container orchestration and secure hosting on company servers.

Glazer Capital

Software Engineer Intern

February 2025 - May 2025

- Revamped a full-stack trading platform utilizing React and Django REST, handling 1,000+ requests per second with minimal latency, and establishing the most requested module for the platform.
- Reduced data latency by 60% by engineering Django Channels and WebSocket pipelines for sub-second price streaming.
- Built a customizable dashboard interface with TailwindCSS, improving trading decision-making efficiency by 40%
- Integrated Bloomberg and spreadsheet data into automated workflows to reduce market risk exposure by 95%
- Optimized frontend page-load performance by 30% by refactoring legacy code into a modular, reusable component architecture

Vadtaldham Temple

Web Developer

July 2023 - May 2024

- Redesigned a scalable React/Node.js platform serving 1,000+ monthly users with SQLite for robust data persistence
- Used modern CSS frameworks, including Tailwind CSS, resulting in a 40% improvement in mobile usability
- Automated complex ETL pipelines using Python and SQL to synchronize disparate datasets for real management review
- Designed reproducible KPI dashboards and data protocols to improve the accuracy of carrier payables and demographic tracking by 15%

PROJECTS

RiseApp – Native iOS Productivity | [Link](#)

September 2025 - December 2025

- Architected a local-first ecosystem using SwiftUI and SwiftData with a persistent relational database schema
- Established Live Activities and Home Screen dashboards using WidgetKit and ActivityKit via App Group containers
- Integrated a generative 'AI Coach' feature using Swift Concurrency (Async/Await) and the Google Gemini API to provide context-aware productivity tips
- Reduced app launch time by 20% through optimized SwiftData query execution and lazy-loading schemas

Algorithm & Data Structure Visualizer | [Link](#)

August 2025 - September 2025

- Implemented a full-stack platform using Node.js and RESTful APIs that visualized data structures and algorithms
- Produced a multi-language code editor interface supporting Java and Python, allowing users to write and execute code
- Collaborated with a team on a modular component design for the frontend, resulting in a codebase with 40% improved code reusability

NBA Analysis Model | [Link](#)

September 2024 - November 2024

- Deployed an end-to-end player performance predictor using LightGBM and Scikit-Learn, achieving an MAE of 1.65 and an R-squared of 0.85
- Launched a production Flask API that serves real-time JSON responses for player and team-level prediction endpoints
- Engineered 35 leakage-safe rolling features from multi-season game logs ingested via the nba_api library
- Designed a web UI using HTML/JS to allow users to interact with live model predictions and check API health
- Utilized Parquet data storage and model artifact serialization to ensure low-latency response times for roster-based queries

EDUCATION

Rutgers University-New Brunswick

Piscataway, New Jersey

B.S. in Computer Science and Data Science

Expected Graduation: May 2026

- **Related Coursework:** Data Structures & Algorithms, Discrete Structures I & II, Regression Methods, Internet Technology, Computer Architecture, Software Methodology, Statistical Learning, Design and Analysis of Algorithms
- **Clubs and Activities:** Rutgers University Mobile App Development Club, Undergraduate Student Alliance of Computer Science, HackRU

SKILLS

Programming: Java, Python, JavaScript, HTML, MATLAB, C++, C, Swift (iOS), Typescript, CSS, R, Ruby on Rails

Frameworks and Libraries: React.js, Next.js, Django, Flask, TensorFlow, Scikit-Learn, Pandas, NumPy, D3.js, Bootstrap

Database & Tools: PostgreSQL, SQLite, MongoDB, Git, GitHub, RESTful APIs, Docker, Jupyter Notebook, VS Code, Vercel, AWS