Aniket Patel

+1 5516897481 | Hoboken-07030 | apate211@stevens.edu | LinkedIn

EDUCATION

Stevens Institute of Technology, Hoboken, NJ   **Expected May 2023**
Master of Science in Computer Science. **GPA**: 3.42/4
Related Courses: Courses taken in semester one – Algorithms, Database Management Systems 1, Knowledge Discovery and Data Mining. Courses selected for semester two – Database Management Systems 2, Web Programming, TCP/IP

Dharmsinh Desai University, Nadiad, Gujarat, India   **May 2017 - May 2021**
Bachelor of Technology in Information Technology. **GPA:** 3.4/4

SKILLS

- **Programming Languages:** Python, C++, JavaScript, SQL, R, Java Android
- **Databases**: MongoDB, MySQL, Redis, and PostgreSQL
- **Web Technologies**: React.js, Node.js, ExpressJS, Rest Framework, CSS, Bootstrap
- **Tools, and Technologies:** Github, GitHub Actions, Firebase, Redux, Git, REST, Agile, AWS, Visual Studio Code
- **Others/Soft Skills:** Unix/Linux, Windows, Debugging.

EXPERIENCE

Stevens Institute of Technology - Course Assistant (Hoboken, New Jersey)   **Aug 2022 - Present**
- Awarded Couse Assistantship for CS 521 - TCP/IP Networking and CS 590 - Algorithms for Fall 2022.
- Helped professor in preparing interesting and challenging assignments for more than 80 students in course CS 590: Algorithms.
- Tutoring and solving doubts of students during Office hours.
- Grading assignments, midterm, and final exams.

Trading Technologies – Internship (Chicago, Illinois)   **Jun 2022 - Aug 2022**
- Constructed workflows in GitHub Actions to automate SAST (whitespace and Coverity) scans and linting tests to find security vulnerabilities in code and to maintain and also to improve coding standards of organization by engineers.
- Built Workflow in .YAML file to alert team when a code is pushed to main branch without failing test cases or when code coverage is less then 70%, and helped in maintaining robustness of application.

Cygnus Softech Pvt. Ltd - Web Developer (Surat, India)   **Dec 2020 - April 2021**
- Devised and developed reservation system(website) using .NET MVC, C#, jQuery, JavaScript, and Microsoft SQL.
- Accomplished thread synchronisation(semaphore) to avoid overbooking and duplicate reservation when more than 1 person books same entity.
- Integrated open-source libraries Signal R and Full Calendar to implement real-time messaging and booking.

ACADEMIC PROJECTS

Travel Buddy: Vacation Planner   **Aug 2022 - Dec 2022**
- Developed an innovative MERN based travel itinerary web application for flight recommendations, hotels, and tourist attractions based on user location and preference.
- Added Redis server(caching) to improve the performance of the website by 50%.
- Utilized REact.js and MaterialUI for building 100% reusable UI components and user interfaces.
- Wrote 10+ RESTful APIs for frontend and backend communication, internally leveraged third-party Google Maps API and Travel Advisor API to fetch geolocation and display top 10 results.

Courseshaala   **Dec 2021 - May 2022**
- Collaborated and lead a team of 4 and developed a responsive full-stack educational web application.
- Devised interactive UI using Handlerbars, Bootstrap, Node.js and Express.js, to built asynchronous AJAX web application.
- Performed backend APIs to support 12+ features: designing a course by teachers, enrolling in course by student, creating and uploading assignments, posting grades of students, etc.
- Enforced request authentication with JWT and data validation of back-end APIs with JOI to ensure 100% security and privacy.

Point of Sale (POS) System   **May 2020 - Dec 2020**
- Collaborated with a team of 2 and designed and implemented android application Point of Scale(POS) system for small-scale grocery stores to maintain and keep track of inventory.
- Employed open-source libraries in applications to introduce essential POS system capabilities, such as a barcode scanner, a PDF creator, and Firebase Authentication.