

EDUCATION

University of North Carolina at Chapel Hill – Chapel Hill, NC

Dec 2021

Bachelor of Science in Computer Science, Minor in Entrepreneurship, **CGPA: 3.98/4.00**, Dean's List - Fall 2019-Present

- Relevant Coursework: Modern Web Programming, Algorithms and Analysis, Intro to Machine Learning, Computer Organization, Linear Algebra, Probability. Transferred: Mobile Application Development, Operating Systems, Databases, Networks

TECHNICAL SKILLS

- Programming Languages: JavaScript, Python, Java, C, C++, MATLAB, R, MIPS Assembly, x86 Assembly
- Web Development: Node.JS, Express.JS, MongoDB, React, JavaScript ES6, Firebase Cloud Firestore, PHP, MySQL, HTML, CSS
- Android Application Development: Kotlin, Java, MVVM Design Pattern, Retrofit, Room, Jetpack Components
- Machine Learning, Data Science, & Visualization: Numpy, Pandas, Jupyter Notebook, OpenCV, Matplotlib, Tableau, Chart.js
- Tools: Git, GitHub, Linux CLI, Balsamiq Mockups, Canva, Adobe Photoshop, Adobe Spark, Adobe Premiere Pro, Adobe Rush

EXPERIENCE

iD Tech Camps | Philadelphia, PA | Virtual Tech Camp Instructor

Jun 2020 – Aug 2020

- Delivered top-notch STEM education by leading coding camps on **Java**, **C++**, Minecraft Modding, and **Python** Data Science for batches of 4-5 students ages 7-19 every workday for 2-3 sessions of 2.5 hours each.
- Guided clients with installation and troubleshooting every weekend before the start of next week's camps (usual workload - 300+ clients handled by 20-25 employees), to improve and smoothen their "first day of camp" experience.

Global BizConnect | Vadodara, GJ, India | Full-stack PHP Web Developer Intern

May 2019 – Jul 2019

- Designed and implemented the following projects from scratch to grow the startup's projects portfolio by 22%:
 1. An e-learning platform featuring Google OAuth 2.0 and PayTM payment gateway integration, along with video, document, and quiz resource creation/management/viewing utilities.
 2. A job portal website featuring a complete hiring workflow and real-time chat.
- Implemented both projects with a responsive UI (using Bootstrap, jQuery), paired with a **PHP** and **MySQL** server on the backend.

PROJECTS

Samosabucket (Personal Web Development Project – [View source on GitHub](#), [Try on Heroku](#))

Aug 2020 – Dec 2020

Designed and implemented an open-source food delivery web app using the **MERN stack (MongoDB, Express, React, Node.JS)**. Uses JWT for authentication, pure React for front-end, Stripe API for handling payments. The backend follows RESTful conventions. The application covers the entire restaurant workflow from "ordered" to "delivered".

MediScan (HackDuke project – [See details on Devpost](#))

Nov 2019

Designed and implemented an **Android** app in **Java** that automates scanning of medical forms and records. App includes a custom UI view that allows the user to crop a part of taken image by dragging a rectangle across screen, which is then sent to an API for OCR.

PiVision (National hackathon project at the School of Electronics (SELECT) Make-a-thon, VIT University)

Apr 2019

Envisioned the idea, designed the project's architecture, and guided a team of 5 to a top-10 hackathon finish (among 170+ teams from all over India). PiVision is a RaspberryPi system connected to a camera. It triggers recording upon motion detection, performs face recognition to look for unfamiliar faces, and sends SMS alerts in case of a probable intruder via the Nexmo API. The message includes a link to the live camera feed, which is based on FFMPEG, an open source live streaming solution.

SkillMatch ([Website GitHub](#), [Android app GitHub](#))

Nov 2018

Designed and implemented a website, and an **Android** app coded in **Java** paired with a (self-built) **WAMP stack RESTful API**, that allows users to showcase their skills, talents, interests, share experiences, find talent, interact (via real-time chat), and collaborate.

LEADERSHIP AND COMMUNITY INVOLVEMENT

Google Developers Group – Chapel Hill, NC

Dec 2019 – Present

Chapter Co-founder & Organizer

- Spearheading a diverse community of 70+ participants to build 3 cutting-edge tech projects ([aanpatel.tech/community](#)).
- Hosted and lectured at the virtual events – **Kotlin Android** Development Workshop (Dec 2020), Firebase Study Jam (Jun 2020).
- Attended GDG North America Leads Academy at Google's San Diego campus in February 2020.

International Society of Automation - VIT University - Vellore, TN, India

Dec 2017 – May 2019

Project Team Member (former Core Committee Member)

- Prepared and delivered a hands-on **JavaScript** crash-course at ISA-VIT's Web Development Workshop (200+ attendees).
- Collaborated with the design team to build the chapter's blog homepage with **CSS** and **HTML** wizardry.
- Event Coordinator for annual events – SPARK '18 and SPARK '19. Assisted attendees in learning at IoT/AI/ML workshops.