AAN PATEL

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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, Data Science in the Business World, Intro to Machine Learning, Computer Organization. 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

Citrix Systems, Inc. | Raleigh, NC | Software Development Intern   May 2021 – Aug 2021
- Incoming intern for summer 2021. Role and responsibilities yet to be assigned.

iD Tech Camps | Philadelphia, PA | Virtual Tech Camp Instructor   Jun 2020 – Aug 2020
- Delivered top-notch STEM education by teaching Minecraft Modding using **Java**, **Python** for Data Science, and **C++** 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, and 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, and Stripe API for handling payments. The backend API 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
Ideated, designed project architecture, integrated software components, and led a team of 5 to a top-10 finish at a 170+ team all-India hackathon. Project consists of a RaspberryPi system connected to a camera, triggers recording upon motion detection, performs face recognition, and sends SMS intruder alerts via the Nexmo API, which include a link to the live camera stream, set up using FFMPEG.

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 | Chapter Co-founder & Organizer   Dec 2019 – Present
- 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 | Vellore, IN | Project Team Member (fmr. Core Committee Member)   Dec 2017 – May 2019
- 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.