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, GPA: 3.99/4.00, Dean's List - Fall 2019-Present
- Relevant Coursework: Algorithms and Analysis, Modern Web Programming, Files and Databases, Data Science in the Business World, Introduction to Machine Learning, Computer Organization, Operating Systems, Networks

TECHNICAL SKILLS

- Programming Languages: JavaScript, C#, Kotlin, Java, Python, C, C++
- App and Web Development: React, Node.JS, Express.JS, MongoDB, Android App Development with Kotlin, PHP, MySQL
- Tools/Platforms: AWS, Azure, Google Cloud, Heroku, Docker, Kubernetes, Terraform, Helm, Firebase, Git, GitHub, Bash
- LinkedIn Learning Certifications: Object-Oriented Design, Design Patterns, Test-Driven Development, Docker, Kubernetes, Helm

EXPERIENCE

Citrix Systems, Inc. | Raleigh, NC | Software Development Intern   May 2021 – Aug 2021
- Implementing a microservice API in **C#**, **.NET Core** for the Citrix Workspace Integration Platform to collect, aggregate, and return a unified list of recently used files from multiple platforms such as OneDrive and Google Drive.

iD Tech Camps | Philadelphia, PA | Virtual Tech Camp Instructor   Jun 2020 – Aug 2020
- Delivered top-notch STEM education by teaching **Java** Minecraft Modding, **C++**, and **Python** Data Science (15-20 students/week).
- Guided clients with installation and troubleshooting on weekends 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, implemented, and deployed 2 full-stack projects with a responsive UI, paired with a **PHP** and **MySQL** backend to grow the startup's projects portfolio:
  1. An e-learning platform featuring Google OAuth 2.0 and PayTM payment gateway integration, along with video, document, and quiz creation, management, and viewing capabilities.
  2. A job portal website featuring a complete hiring workflow and real-time chat.

PROJECTS

SimpleWeather (View source on GitHub, See app on Play Store)   Apr 2021
Designed and implemented a weather app for **Android** written in **Kotlin** in accordance with Android Jetpack recommendations (MVVM, LiveData, ViewBinding, Navigation Components) to learn and then inform GDG Chapel Hill's community about the latest and greatest the Android SDK has to offer. App uses Retrofit2 with Moshi converter to fetch data from a REST API provided by OpenWeatherMap.

Samosabucket (View source on GitHub, Try on Heroku, Blog Post - Colleague using this for their venture)   Dec 2020
Designed and implemented an open-source food delivery web app intended for COVID-impacted restaurants using the MERN stack (**MongoDB**, **Express**, **React**, **Node.JS**). The web app features secure authentication using JSON Web Tokens (JWT), pure React with Bulma CSS for a beautiful front-end, and Stripe API for handling real payments. The application covers the entire restaurant workflow from "ordered" to "delivered", and is deployed on Heroku for demo. Helped a colleague use this app to launch their startup; they received $5000 in non-equity funding and a space in the summer 2021 cohort at UNC's "Launch Chapel Hill" startup accelerator.

MediScan (HackDuke team project – See contribution details on Devpost, View source on GitHub)   Nov 2019
Designed and implemented an **Android** app in **Java** that simplifies the digitization of batches of medical reports that have the same format. The user selects portions of a document by simply dragging their finger across parts of the image and labels them by typing in what that section corresponds to. The app remembers the labeling to make the process repeatable for reports of the same format. Scans result in a structured JSON output (like {"Cholesterol": "4 mmol/L"}) using a Google Cloud Vision function written by teammates.

SkillMatch (Website's GitHub, Android app's GitHub)   Nov 2018
Designed and implemented a **PHP** website, and later an **Android** app coded in **Java** paired with a **PHP-MySQL** REST API, that allows users to showcase their skills, talents, interests, share experiences, find talent, and interact via real-time AJAX chat.

LEADERSHIP AND COMMUNITY INVOLVEMENT

Google Developers Group |Chapel Hill, NC | Chapter Founder & Organizer   Dec 2019 – Present
- Spearheading a diverse community of 90+ participants to network, build tech projects, and learn (see aanpatel.tech/community).
- Host and Speaker for the virtual events (full list at gdg.community.dev/gdg-chapel-hill):
  - Android Study Jam: "Build a Simple Weather App in **Kotlin** with **Android** Studio" (Apr 2021)
  - Android Study Jam: "**Kotlin Android** Development Introductory Workshop" (Dec 2020)
  - **Firebase** Study Jam: "Firebase for Web" (Jun 2020)

See more of my projects and certifications on LinkedIn or aanpatel.tech