

Deval Parikh

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EDUCATION

- **George Mason University** Fairfax, VA
Bachelors of Science in Computer Science; GPA: 3.85 *August 2017 – December 2020*
 - **Dean's List:** 2017 - Present
 - **Relevant Courses:** Algorithms, Data Structures (Java), Object Oriented (Java), Internet Scale Applications, Concurrency, Machine Learning, Low-Level Programming (C), Compilers, Computer Systems Architecture, Software Engineering, Discrete Math, Formal Methods and Models, Linear Algebra, Probability and Statistics

EXPERIENCE

- **Capital One** McLean, VA
Software Engineering Intern *June 2020 - August 2020*
- **Reinventing Geospatial, Inc (RGi)** Fairfax, VA
Software Engineering Intern *May 2019 - August 2019*
 - **Objective:** Worked on the geospatial performance enhancing proxy team. Contributed to the full-stack web application, leveraging OOP, data structures, and algorithms experience. Utilized CI/CD pipelines and Agile tools like GitLab and Jira.
 - **Javascript/React-Redux:** Developed many client-side features that increased the efficiency of user interactions with the services, logs, and dashboards.
 - **Python/Django/SQL:** Implemented features for back-end services for map data caching and tile rendering. Developed, tested, and optimized API endpoints for application features. Contributed to the increase code coverage from 16% to 55%.
- **FlipFeed (Full Stack)** Personal Project
Project Developer *May 2020 - Present*
 - **Objective:** Designed and developed a multi-tiered, highly scalable social networking application for real estate renovations.
 - **MongoDB/Express/NodeJS/React:** Developed API services, such as user authentication, profiles, and posts, with NodeJS. Used React to serve a modern user interface. Used Redis LRU cache to optimize request time performance.
 - **AWS/Infrastructure:** Utilized AWS EC2 and AWS S3 to deploy Docker containerized microservices for the entire application, developed CI/CD pipeline with CircleCI, and integrated NGINX for load balancing.
 - **ML/Data:** Implemented Apache Spark MLlib for a collaborative filtering based recommendation system evaluated using RMSE, and integrated Elasticsearch for application search.

LEADERSHIP AND AWARDS

- **PatriotHacks - George Mason University Hackathon** Fairfax, VA
Co-lead of iOS Workshop/Mentor *August 2018 - Present*
 - **Workshop Lead:** Organizing and leading a yearly introduction to Swift (iOS) workshop, impacting 100+ students.
 - **Student Mentor:** Mentored 250+ university students on various projects including, Python, Java, Javascript frameworks, API implementation from sponsorship companies.
- **Bitcamp - EyeBank (API/Python)** Group Hackathon Project
Python Back-end Developer *April 2019*
 - **Objective:** Developed a solution for access to banking for the visually impaired by creating software that integrates a facial recognition model developed using TensorFlow, Capital One API for banking services, and computations on AWS Lambda.
 - **Awards:** **1st Place** Best Financial Software Hack - Capital One, **1st Place** Bitcamp Compass Challenge.
- **HoyaHacks - Weapon Detection Model (ML/Python)** Group Hackathon Project
Python Developer *February 2019*
 - **Objective:** Built a software service to detect weapons in real-time camera footage using image classification with YOLO Convolution Neural Network architecture and created dashboards using AWS, Google Maps API, HTML, CSS, Javascript.
 - **Awards:** **1st Place** Best Software Hack - Microsoft, **2nd Place** Amazon Web Services Hack - Amazon, **3rd place** Overall Georgetown University Hackathon <https://aws.amazon.com/blogs/publicsector/students-hack-for-social-impact-hoya-hacks>

SKILLS

Languages: Java, Python, C, Swift, Javascript, HTML, CSS, Bash

Frameworks/Tools: Unix, Amazon Web Services, React, Redux, NodeJS, Express, Django, SQL, NoSQL, Docker, Yacc, LEX, Scikit-learn, TensorFlow, Jupyter Notebook, Vim, Git Version Control, Jira