Deval Parikh

http://devalparikh.me
https://github.com/devalparikh

Email: dparikh4@gmu.edu
Mobile: +1-703-980-6519

Education

- **George Mason University** — Fairfax, VA
  *Bachelors of Science in Computer Science; GPA: **3.82*** — *August 2017 – May 2021*
  - **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 2019*
- **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. Familiarized with 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
- **FlipFeed (Full Stack)** — Personal Project
  Project Developer — *May 2020 - Present*
  - **Objective**: Designed and developed a highly scalable system for a social networking application for real estate renovations
  - **MongoDB/Express/NodeJS/React**: Developed API services, such as user authentication, profiles, posts, etc. using NodeJS and used ReactJS to serve a modern user interface. Used Redis LRU cache to optimize request time performance.
  - **AWS/Infrastructure**: Used AWS EC2 and AWS S3 to deploy Docker containerized microservices for the entire application, developed CI/CD pipeline with CircleCI, integrated NGNIX for load balancing
  - **ML/Data**: Implemented Apache Spark MLlib for a collaborative filtering based recommendation system evaluated using RMSE, integrated Elasticsearch for a 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+ of 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 — *December 2018 - Present*
  - **Objective**: Developed a solution for easier access to banking for the visually impaired by creating software that integrates a facial recognition model developed using tensorflow and the Capital One API for banking services
  - **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 — *December 2018 - Present*
  - **Objective**: Built a software service to detect weapons in real-time camera footage using image classification with YOLO Convolution Neural Network architecture and developed a dashboard 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