RACHIT AGARWAL

🌐 www.rach.me   📞 (301) 281-3692   ✉ rachitag@umd.edu

in linkedin.com/in/rachitagarwal22   github.com/rachitag22   D devpost.com/rachitag22

EDUCATION

University of Maryland, College Park
B.S., Computer Science
AUGUST 2016 – MAY 2020 | College Park, MD
GPA: **3.81** | In-Major GPA: **4.00**

- **Minors**: Dean's List
- **Minors**: Business Analytics + Technology Entrepreneurship
- **Honors College**: Design Cultures and Creativity (DCC)
- **Relevant Coursework**: Discrete Structures. Computer Systems.

PROJECTS & AWARDS

- **Bipartisan** (Web App – Flask / Python): Uses machine learning and natural language processing to find the credibility of news articles. Allows users to find the most credible news in any location or for any search query as well as get a score for any given article (hophacks-bipartisan.herokuapp.com)
- **Galileo** (Web App – Flask / Python): Uses a special pruning algorithm to find the optimal UMD class schedule based on a student's classes and preferences (hackstreetboys-galileo.herokuapp.com)
- **PhoneBuzz** (Web App – Flask / Python): Plays Fizz Buzz with user through a phone call using Twilio – Created as code challenge for startup internship (rach-phonebuzz.herokuapp.com)
- **Fireberry Pi** (Raspberry Pi / Arduino / Web / Android App – Python): 24/7 gas leak detection and alert system with web and mobile integration – Created at Bitcamp 2016, won prize for Best Use of Internet-Sourced Data and SparkPost API honorable mention (devpost.com/software/fireberry-pi)
- **Voluntutor** (Web App – Laravel / PHP): Tutoring opportunities and requests for school organizations – Created for IB Computer Science Internal Assessment (rach-voluntutor.herokuapp.com)
- **Conext** (Web/Android App – Java): Video chat app featuring live texting, without audio – Created at DCHacks 2015, won 4th place, featured as staff pick on DevPost (devpost.com/software/conext)
- **StopBeat** (Android App – Java): Pauses media playback after specified time – Created at CodeDay Philadelphia 2014 (available on the Google Play Store)

LANGUAGES & SKILLS

- **English**, **Hindi** (Fluent), **Spanish** (Advanced)
- **Design** (Adobe Fireworks, Photoshop) for modern, clean mobile and web interfaces
- **Web scraping** (Python, Selenium server, regular expressions)
- Intermediate **web development** (WordPress, HTML/CSS/JS, ASP/.NET/VB, Laravel, PHP, React.js, Python/Flask)
- Intermediate **Android development** (Java)
- Beginner **iOS development** (Objective-C)

EXPERIENCE

LendUp
Software Engineering Intern
MAY 2017 – AUGUST 2017 | San Francisco, CA

FunPop
Partner, Tech Lead
JULY 2016 – OCTOBER 2016

- Organized creative marketing efforts (Facebook, video, community outreach, etc.) for iOS game
- Made various upgrades to FunPop Plus (Objective-C)

Bookholders
Software Engineering Intern
JUNE 2016 – AUGUST 2016, JANUARY 2017 | College Park, MD

- Wrote + optimized Python (Selenium server) code using XML templates
- Performed major upgrades (integration with Flask backend, UI/UX overhaul) to internal Android app
- Designed and developed brand-new user dashboard by integrating React.js with Flask backend
- Wrote barcode generation algorithms and code to dynamically print USPS labels (ASP./NET/VB)
- Scraped websites and order emails to return clean data (Selenium server, Python regular expressions)

Naval Sea Systems Command (NAVSEA)
Engineering Intern
JUNE 2015 – AUGUST 2015 | West Bethesda, MD

- Completed extensive 3-D modeling on brand-new submarine
- Presented models to division's upper management
- Featured in Wavelets magazine for innovative efforts