SWADHA RAI

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A motivated and innovative woman in technology with a deep interest in data science, business management, and social good.

EDUCATION

UNIVERSITY OF NORTH CAROLINA | CHAPEL HILL, NC　　　　　　**AUGUST 2017 - MAY 2021**

Computer Science, B.S. & Statistics and Analytics, B.S. - 3.06 GPA

- Rewriting the Code Fellow, UNC Grace Hopper Scholarship Recipient, Phillips Ambassadors Scholar
- Relevant Courses: Data Structures, Data Science, Operating Systems, Information Security, Computer Networks

NATIONAL UNIVERSITY OF SINGAPORE | SINGAPORE　　　　　　**JANUARY 2020 - MAY 2020**

NUS School of Computing (ranked 10th globally) - 1 of 4 students selected

WORK EXPERIENCE

CAPITAL ONE - SOFTWARE ENGINEERING INTERN | MCLEAN, VA　　　**JUNE 2020 - AUGUST 2020**

- Developed a feature toggle API proxy through a software development life cycle (SDLC), enabling code experimentation, agile integration, and continuous deployment for 7+ microservices across all 10 Finance Platform teams **(Tech Stack: Spring, Angular, NodeJS, Java, TypeScript, Git, Jira Scrum)**
- Designed, launched, and personally led weekly #Women-in-Tech workshops to empower a 60+ intern network

METLIFE - DATA ANALYST INTERN | CARY, NC　　　　　　**JUNE 2019 - DECEMBER 2019**

- Automated a user-friendly query tool for call center employees by writing and carrying a full stack web app through the SDLC **(Tech Stack: Spring Boot, HTML/CSS, JavaScript, Java, jQuery, SQL, DB2)**
- Transformed a 3-day status retrieval process to a 2-minute task by generating data migration statuses dynamically
- Pitched and co-authored EnvironDental, a global insurance initiative promoting sustainable dentistry practices, to launch collaborative beta program with executives (CTO's National Innovation Challenge Award)

PROJECTS

NYC GUN VIOLENCE DATASET | CHAPEL HILL, NC　　　　　　**DECEMBER 2019**

- Analyzed 21,092 gun incidents to present frequency correlations, fatality predictors, and interactive **R Shiny** visualizations with **R** data wrangling, web scraping, **kernel density estimation,** and **regularization regressions**

HACKMIT | CAMBRIDGE, MA　　　　　　**SEPTEMBER 2019**

- Built "ARound," an **android** AR app enabling users to customize and navigate 3D venues, with **Amadeus APIs, Google AR Core, Unity 3D, GitHub,** and **Java** as 1 of 600 hackers selected from 5000+ non-MIT applicants

PEARL HACKS | CHAPEL HILL, NC　　　　　　**FEBRUARY 2019**

- Developed "Find Your Flex," an iOS app to connect workout buddies, combat gym intimidation, and promote local fitness events, using **Swift, Xcode, GitHub,** and **Google** and **Bandwidth APIs** (Best Bandwidth Hack)

ADDITIONAL EXPERIENCE

UNC ITS - SENIOR RESNET COMPUTING CONSULTANT | CHAPEL HILL, NC　　**AUGUST 2019 - PRESENT**

- Collaborate directly with management and closely mentor 9 RCCs to deliver quality control for 50+ weekly tickets
- Resourcefully solve 10+ IT incidents per week within 24 hours of ticket submissions and direct 7 biweekly educational tech fairs as 1 of 35 on-site support staff members for 8,000+ on-campus residents

AKPSI BUSINESS FRATERNITY - SERVICE CHAIR | CHAPEL HILL, NC　　　**AUGUST 2017 - MAY 2019**

- Spearheaded involvement in UNC's Shack-a-Thon by personally recruiting 6 corporate sponsors, coordinating 5 fundraisers, and collectively raising $2,759 in 5 days for Habitat for Humanity (1st Place, $14,168.60 grand total)
- Motivated 108 brothers and increased service event participation by 52.3% to 90.8%

SKILLS, AWARDS, AND ACTIVITIES

- **Technical Skills:** *Skilled* - Java, R, TypeScript; *Experienced* - Python, C, SQL, Swift, JS, React, machine learning
- **Certifications:** Microsoft Office Specialist, Pursuing Amazon Web Services Cloud Practitioner Certification
- **Awards:** HackNC 2019 - Best Hack Empowering Minorities, Pearl Hacks 2018 - Best Hack for Social Good, MetLife's Winning Mural Design, Gold Presidential Volunteer Service Award, Scholastic Art & Writing Gold Key
- **Activities:** Girls Who Code (TA), Women in Computer Science, Carolina Analytics & Data Science, Art Association