

Aastha Bapna

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EDUCATION

Master's in Computer Science (minor in Cyber Security)

University of South Carolina- Columbia, SC, USA

GPA: 3.90/4.00

Aug/2017-May/2019

Bachelor's in Computer Science

Medi-caps Institute of Science & Technology- Indore, India,

GPA: 3.60/4.00

Aug/2013-May/2017

EXPERIENCE

Technology Associate- Morgan Stanley, New York City, NY

Nov/2019-Present

- Working on Account Inception and Update application used by Financial Advisors to initiate and carry out client's investments, keep track of investment accounts, evaluate risks and generate proposals.
- Using Angular 7/8, NgRx store and Java for development.

Technology Analyst- Morgan Stanley, New York City, NY

Aug/2019-Nov/2019

- Completed intensive full stack technology training which includes C++, Java, .NET, Scala, DB2, SQL & Concurrent Programming.
- Built a Trading Engine System using Java, Spring, SOA, REST and JavaScript.

Software Automation Intern- American Specialty Health, Columbia, SC

Jan/2019-May/2019

- Worked on creating, updating, executing test automation related to company's applications, reporting bugs on Azure DevOps.
- Implemented component tests with a BDD Framework using Cucumber, integrating them in DevOps CI/CD pipeline.
- Played an active member of the Scrum(Agile) team ceremonies.

Graduate Assistant- Computer Science Department(University of South Carolina)

Aug/2018-Dec/2018

- Developed a PHP-Mailer for sending newsletters to subscribed users monthly, weekly and daily.

Graduate Research Assistant and Summer Intern- McNAIR (University of South Carolina)

Aug/2017-July/2018

Website Development for SmartState Center

- Developed a website for South Carolina SmartState Center for Multifunction Materials using HTML5, CSS3, Bootstrap, PHP, jQuery.

Fokker Project

- Developed Structural Health Monitoring System for Fokker using C, C++ and embedded programming on Linux. Collecting & processing of impact data on the elevator on MATLAB. Also worked on Arduino LED strip task for differentiating impact zones.

Kuka robot GUI(Scripting) and Database Management- BOEING (R&T)

- Written scripts in Python, extracting and visualizing data, integrating RS485 with XML/JSON database for analyzing data and temperature values obtained from serial port, maintaining and updating python GUI using Tkinter, NumPy in python on PyCharm IDE.

Internship-HOTWAX SYSTEMS- Indore, India

May/2015-Dec/2015

- Developed hybrid applications using Apache Cordova, Ionic framework, HTML, CSS and JavaScript. Also, got hands on industrial exposure with Software Development Life Cycle, Agile framework, Scrum.

PROJECTS

Symbolic Execution for Bug Finding

Aug/2018-Dec/2018

- Implemented symbolic execution for bug finding using KLEE tool and compared it with black box fuzzing tool for finding memory errors.

FreshPick- UI/UX Project(HCI)

Aug/2018-Dec/2018

- Developed a responsive mobile application prototype (UI), keeping in consideration UX and Human Computer Interaction (HCI) guidelines for grocery delivery from a wide range of grocery shops.

Recruitment Arena

Jan/2016-May/2016

- Designed a web based portal to digitize the manual recruitment procedure of college using Java-J2EE technologies like hibernate, spring along with HTML, CSS and JavaScript, PHP and led the project team of three.

Care

Aug/2016-Dec/2016

- Developed a mobile app(Android) and a website using HTML5, CSS3, JavaScript, .NET and jQuery, Firebase to help people keep a track of their physical activities and donate the revenue generated to their desired charities thereby taking care of financial constraints.

All Around Apparel

March/2017

- Designed a responsive website using HTML5, CSS3, JavaScript, PHP, jQuery, AJAX and MySQL(Relational Database) for an e-commerce startup.

COURSES

Analysis of Algorithms (complexity and data structures), Software Analysis, Internet Security, Network System Security, Big Data

ONLINE CERTIFICATIONS:

1. Full Stack Web Development

-The Hong Kong University of Science and Technology

Course 1: HTML, CSS and JavaScript

Course 2: Front-End Web UI Frameworks and Tools

Course 3: Front-End JavaScript Frameworks

2. Python Specialization (4 certifications)

- University of Michigan

Data Structures, Using Python to Access Web Data, Using Databases with Python

TECHNICAL SKILLS

Operating Systems: Windows XP/7/8/10, Ubuntu, Linux, Android (mobile app development).

Programming & Solutions: Object Oriented Programming, C++, C#, Java, Django, SQL, Python, XML,JSON, BDD, Cucumber/Gherkin, Azure DevOps, Component Level Testing, Micro Services,

Web Design: HTML5, JavaScript, DOM, Angular js, CSS3, Bootstrap, .NET, AJAX, PHP, jQuery, Agile, REST API, Git,

ACHIEVEMENTS

- Certification in a course titled Creativity, Innovation, and Change by The Pennsylvania State University.