Ojasvi Agarwal

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EDUCATION

University of Illinois Urbana-Champaign, Urbana-Champaign, United States   **Aug 2022 – Dec 2023**
Professional Master of Computer Science (MCS)
Relevant Courses: UI Design, Text Information Systems, Data Mining Principles

Manipal Instituteof Technology, Manipal, India (GPA: 8.89/10)   **Aug 2016 – July 2020**
Bachelor of Technology in Computer Science and Engineering with minor in Big Data
Relevant Courses: Data Structures, Algorithms, Operating Systems, Computer Networks, Database Management, Software Engineering, Software Testing and Analysis

PROFESSIONAL EXPERIENCE

Trellix (formerly McAfee), Bangalore, India.   **Jan 2022 – June 2022**
Software Tools/ Build Engineer (Grade 5)
- Owned and delivered the artifacts for the Software Testing Life Cycle (STLC) of the Search functionality of MVISION EDR (Enterprise Detection and Response) hosted on Cloud AWS
- Planned test cases for 66 user stories, executed 497 manual tests, automated 222 component tests along with 65 integration tests as well as participated in fault tolerance and exploratory testing
- Highlighted Design-level concerns and raised 111 defects within the span of 5 months
- Collaborated with the Quality team to design and develop a performance test framework using locust to load test the different microservices of MVISION EDR and analyze the factors for baselining them.
- The framework was used to load test the data platform of MVISION EDR and come up with performance optimizations while interacting with Snowflake database

McAfee India Center, Bangalore, India   **Jan 2020 – Dec 2021**
Software Development Engineer (Grade 3) | Scrum Master | Undergrad Technical Intern
- Contributed to the Software Testing Life Cycle (STLC) for the Investigation workflows of MVISION EDR (Enterprise Detection and Response)
- STLC includes test case design, build-wise execution, automation of tests, performance and exploratory testing.
- Raised maximum number of defects (~30 per quarter) in the functional testing cycle itself
- Developed a QE plan for brand new product of McAfee – MVISION XDR (Extended Detection and Response)
- Applied various agile practices to ensure efficient and continuous product delivery via sprint ceremonies like Sprint Planning, Sprint Review and Sprint Retrospective (**Certified Scrum Master from Scrum Alliance**)

SOFTWARE SKILLS AND CERTIFICATIONS

- **Programming Languages**: Python, Java, C, C++
- **Machine Learning**: TensorFlow, nltk, numpy, sklearn
- **Tools and Technologies:** AWS, TeamCity, Kubernetes, JMeter, Locust, Behave, Wiremock, JIRA
- **Cloud Certification: AWS Certified Solutions Architect – Associate** (Scored 821/1000 - passing cutoff being 720)
- **Other Skills**: Agile Methodology, Technical Writing, Public Speaking

CHALLENGES AND PROJECTS

Chicken Detection   **Sept 2021 - Nov 2021**
- Implemented a Deep Learning Model for object detection of chickens present in farm images using the Faster RCNN model
- The project startswith 4 images, augments the dataset and trains it using the TensorFlow 2 object detection API
- Python was used for this application and the running cost of the project was $10 through AWS virtual machines.

Text Classifier   **May 2019 – July 2019**
- Applied various concepts learned based on Natural Language Processing and built a text-classifier to predict sentiments of tweets in real time
- Trained a Logistic Regression Model to classify a given tweet as positive or negative having accuracy of 84.75% with 2000 records.
- Used Cornell Movie Review Data in order to train the classifier and python to implement the project.

LEADERSHIP

- **Core Committee** – **Human Resource Development,** Tech Tatva'2018 (Annual Technical Fest of MIT, Manipal), Handled 50 Organizers and ensured good rapport among 1800+ freshmen and 200+ seniors.
- **Local Committee**, TCFG (Teach Code for Good) - Manipal Chapter