Ashwin Kumar H.R

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Education

University of Wisconsin - Milwaukee   **Aug. 2021 – Jan 2023**
Masters in Computer Science   *Milwaukee, Wisconsin*

Visvesvaraya Technological University   **Aug. 2015 – Aug 2019**
Bachelor of Engineering in Information Science   *Bangalore, India*

Professional Experience

Accenture   **Oct 2019 – Aug 2021**
Application Development Associate   *Bangalore, India*
- Core .Net developer for ADAP Team (Accenture DuckCreek Delivery Acceleration Platform).
- Worked on migrating ASP.NET web applications to a WPF application, major User-Interface enhancements and ADAP tool developments.
- Worked as Regression and UAT Tester.

Indian Space Research Organization (ISRO)   **Jul 2018 – Aug 2019**
Software Engineer Intern   *Bangalore, India*
- Interned at the Server and Network Management team at ISRO.
- Developed website that depicts the strength of ISRO CDN.
- Worked on "Detection of Zero-Day Malware using Machine Learning".
- Published Technical paper "Detecting Zero-Day Malware" in IJERT, Vol 8, Issue 5, May 2019.

Projects

Detection of Zero-Day Malware using Machine Learning | *Python, CentOS, cuckoo Sandbox*
- I designed the project in a way to first analyze the software samples without executing it, thus performing a static analysis and then performing a dynamic analysis by executing the samples in a controlled environment and monitoring characteristics.
- Built a model using J48 decision tree to to differentiate between malware and benign samples thus revealing the presence of any malicious files with an accuracy of 97 percent.
- Technical Paper: https://www.ijert.org/detecting-zero-day-malware

TShirtEcom | *HTML, CSS, ReactJS, Django*
- A full stack Ecom application with payment gateway integration in Django and react.
- App uses Django V3 and modern react with hooks and Braintree for payment gateway.
- Source code: https://github.com/akhr1997/TShirtEcom

Secrets | *HTML, CSS, EJS, Node, Express, MongoDB, Google OAuth 2.0 Authentication*
- A web app that lets users to submit their secrets anonymously.
- Implemented Cookies, Session and Google OAuth 2.0 for Authentication.
- Sourec code: https://github.com/akhr1997/Secrets

Technical Skills

Full Stack Web Development: HTML, CSS, JavaScript, MySQL, MangoDB, ExpressJS, NodeJS, ReactJS, Django, RestAPI
Languages: Python, Java, C
Tools: Linux, GitHub, Gatsby, Heroku, Netlify, Postman, VS Code
Testing: Regression and Unit Testing

Leadership / Extracurricular

- Currently working as a Helpdesk Assistant at UWM Campus Technology Support.
- Led a team called AssociateNest at Accenture, where the team was in charge of assisting new intakes into the project (Freshers, Team-Leads, and Managers) to help them understand the design and technical workflow of our application.