

ASHWIN KUMAR

Phone: +1(414)326-6140
Email: ak.hr1997@gmail.com

ashwinhr.com

GitHub: [akhr1997](https://github.com/akhr1997)
LinkedIn: [ashwin-kumar-hr](https://www.linkedin.com/in/ashwin-kumar-hr)

Education

Master of Science in Computer Science - University of Wisconsin-Milwaukee	Fall 2021 - Fall 2023
Bachelor of Engineering in Information Science - Visvesvaraya Technological University	Jun 2015 - Aug 2019

Technical Skills:

Full Stack: HTML, CSS, JavaScript, React.js, Node.js, ASP.NET MVC, PHP, GraphQL.

Databases: MySQL, MongoDB, OracleDB, Postgres, NoSQL.

Programming Languages: C/ C++, C#, Java, Python.

Developer Tools: Linux/ Unix, Git/ GitHub, Scrum, Adobe Xd, AWS, Azure, CI/CD

Work Experiences

Software Engineer

Accenture

Bangalore, India

Oct 2019 – Aug 2021

- Microsoft trained and certified **C#**, **ASP.NET**, and **.NET** Developer.
- Analyzed the requirements & programmed a **C#** script to produce user audit reports for the Readsoft tool.
- Led the migration of a Duck Creek insurance Web app on **ASP.NET MVC** to **MVVM** Windows application.
- Took ownership of coding a **queuing** mechanism to handle millions of insurance transactions in **C#** using various Data Structures and Object-Oriented concepts.
- Involved in Requirement Analysis, Designing, Development, and Continuous production support of highly customized **B2B** insurance applications for various clients across North America using **React** and **Node**.
- Organized daily standups, biweekly sprint retrospectives, sprint planning and reviews as a **Scrum Master**.
- Developed **50+** automation scripts for the unit, functional, and integration testing for the developed components using the Smart-Eye Automation tool, improving manual testing times **from hours to seconds**.

Software Engineer Intern

Indian Space Research Organisation (ISRO)

Bangalore, India

Jul 2018 – Aug 2019

- Architected and developed an intranet web application that depicted the strength of ISRO CDN using **HTML/CSS**, **Node.js**, and **Javascript** on the Ubuntu development environment.
- Built a **RESTful backend API** using Node.js to fetch CDN logs from a server in JSON format for a live charting of CDN performance based on HTTP status codes which helped in deciding on the new CDN vendor.
- Collaborated with the ISRO networks team to implement dual security levels with bcrypt for **password encryption**, passport.js for cookies & sessions to increase website authenticity.
- Implemented **python** scripts to perform static and dynamic analysis of virus files to identify malicious files in a Cuckoo Sandbox for the project - **Detecting Zero-Day Malware**. (Publication: IJERT, May 2019)
- Built & trained a J48 decision tree to differentiate between malware & benign files achieving an accuracy of **97%**.
- Deployed the ML model into a web server with a **React** file-upload component, which applies the model to the input files to identify malicious files.

Selected Personal Projects

- **TShirtEcom:** A full-stack T-Shirt Ecommerce app with payment gateway integration. App uses Django V3, modern **React** with **hooks** & **Redux**, and Braintree for payment gateway. ([GitHub](#))
- **Secrets:** A web app that lets users submit their secrets anonymously using **JavaScript**, **Node**, and **MongoDB**. Also, implemented Google OAuth 2.0 for third-party login. ([GitHub](#))
- **Course-do:** An educational Ecommerce implemented using **React**, Gatsby, **Node.js** & Netlify. ([GitHub](#), [Website](#))

Leadership and Certification

- Received recognition for organizing & managing '**AssociateNest**' - a team responsible for assisting new intakes into the project (Freshers, Team-Leads) to help them understand the design & technical workflow of the codebase.
- Accenture certified **Scrum** practitioner and ISRO trained **Linux** Developer.