Mansi Singh

mansi.singh@ufl.edu | +1 (352) 888-3823 | Gainesville, FL

in linkedin.com/in/singhr-mansi

○ github.com/singh-mansi

EDUCATION

University of Florida, FL, USA   **Aug 2021 – Graduating in May 2023**
Master of Science in Computer Science   **GPA 3.7/4.0**
Coursework: Analysis of Algorithms, Distributed Systems, UX Design, HCI, Software Engineering, Applied Machine Learning, Advanced Data Structures, Information Visualization, Natural Language Processing.

Rashtrasant Tukadoji Maharaj Nagpur University (SBJITMR), MH, India   **Aug 2014 – May 2018**
Bachelor of Engineering - Information Technology.   **GPA 8.11/10.0**
Coursework: Algorithms, Data Structures, Object Oriented Methodology, Database Management Systems, Software Engineering.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript(ES6), Golang, HTML, CSS/SASS, SQL
Databases: MySQL, SQLite
Tools and Frameworks: AEM 6.3/6.5, Git, SVN, JIRA, Confluence, JSON, Angular 13, jQuery, D3.js, .NET, Tensorflow, PyTorch. Tableau
Cloud Technologies: AWS, Docker
Concepts: Object-oriented Programming, Data Structures and Algorithms, REST APIs, MVC Architecture,SPA, Agile Development, Computer Vision, Machine Learning.

EXPERIENCE

Software Developer Intern | FDH Infrastructure Services, NC, USA   **May 2022 - Aug 2022**
- Developed **.NET app** for mapping foundation type and evaluating concrete strength of telecom towers with **95% accuracy.**
- Developed **IoT tool** with Bolt IQ team for accurate measure of bolt tension in cyclic loading applications

Software Engineer | Cybage, Pune, India   **July 2018 – July 2021**
- 3 years of experience in **Adobe Experience Manager(6.3, 6.5),** Content Authoring, Administration, Integration with AEM and Digital Asset Management.
- Designed and developed components, templates, dialogs, and workflows in AEM, CQ5 components for Web Content Management.
- Implemented **i18n** internationalization in the Epsilon Digital Project which improved the website performance by reaching a wider audience, provided a better user experience, increased accessibility, improved localization, and boosted SEO.
- Successfully integrated and optimized adaptive forms, improving user experience and streamlining data collection
- Utilized technical skills in **Angular, JavaScript, and AEM** to design and maintain custom form templates, workflows, and analytics for continual optimization and enhancement.
- Trained and mentored 3 junior AEM developers, helping them become proficient in the use of Adobe Experience Manager and related technologies.

Software Developer Intern | AliveTech Services, Nagpur, India   **June 2017 - July 2017**
- Developed an end-to-end web application using technologies like Bootstrap4, Javascript, Ajax, jQuery for industry-leading clients.

PROJECTS

Tradelist – Clone of Craigslist website [Github link]| *Angular 13, Angular Material, Golang, SQLite*
- Developed an end-to-end website clone of Craigslist with better UI using the SDLC for optimal results.
- Engineered various modules such as user, and customer and used **Karma** and **Cypress** for end-to-end and unit testing.

Visual Summaries of Analyses(MIND) [Dashboard Link] | *Python3, Tableau*
- Conducted data analysis and evaluation of visual summaries tool for news viewership data using Tableau, pandas, user testing and feedback surveys

Breast Cancer Subtype Classification using Deep learning | *Python3, TensorFlow, Pytorch*
- Implemented the DeepMO model using **Python3** and deep learning frameworks such as **TensorFlow** or **PyTorch**, and analyzed multi-omic data using tools and libraries such as **pandas** and **scikit-learn** with **over 85% accuracy**

Happiness Detector [Github link] |*Python3, OpenCV*
- Developed a computer vision application using **OpenCV** based on Viola-Jones Algorithm that uses **Haar Cascade classifiers** or features to detect a face, eyes, and smile in real-time with **over 93% accuracy.**

Movie Recommendation Engine [Github Link] | *Python3*
- Developed a movie recommendation engine using **Python** and **Scikitlearn** based on **content-based filtering**.

Online Tutor | Angular, Java, Spring Framework, Junit, and MySQL.
- Architected a full stack application where tutors can upload videos, pdfs, and other documents and students can subscribe to the courses depending on the rations of the course and tutor.