BHOOMIKA MATHAKALA

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EDUCATION

University of Central Florida, (Orlando, Fl)　　　　　　　　　　　　　　　　Aug 2022- May 2024
Master's in computer science　　　　　　　　　　　　　　　　　　　　　　　　　　3.91 GPA

GITAM University, (Bengaluru, Karnataka, India)　　　　　　　　　　　　　　Jul 2018 - Jul 2022
Bachelor's of Technology in Computer Science　　　　　　　　　　　　　　　　　3.65 CGPA

TECHNICAL SKILLS

- **Technologies**: Machine Learning, Data structures and Algorithms, Operating Systems, User Interface Design, User Experience Design, Full Stack Development, REST APIs
- **Languages**: C,C#, C++, Java, Python
- **Frameworks**: Node.js, React.js, Express.js, .NET
- **Web Development**: HTML5, CSS3, Java Script, PHP
- **Database**: PostgreSQL, MangoDB, MySQL
- **Tools**: Git, Figma, Salesforce, Open Cities, Open Forms

EXPERIENCE

City of Orlando　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Aug 2023- Apr 2024
Software Developer Intern

- Monitored and enhanced City of Orlando websites, reducing website errors by **20%** using **Monsido**. Updated web sites with Open Cities.
- Developed Downtown Orlando Parking Guide website. Implemented Web API for data analysis, reducing retrieval time using **Open Cities API** and **Open Forms API**. Designed a Google Chrome extension for inspection of city webpages.

University of Central Florida, Dept. of Computer Science　　　　　　　Jan 2023 – Mar 2023
Teaching Assistant

- Assisting Professor Edward Amoruso for the coursework "Introduction to Malware Analysis". Assistance with grading and tutoring for 100 undergraduate students.
- Implemented

Salesforce　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Sep 2021 - Nov 2021
Remote Summer Intern

- Learned the functionalities of the **Trailhead** online platform and made the apps of **Customer Relationship Management** more accessible for the customers.

Verzeo　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Jul 2021 - Aug 2021
Remote Android App Development Intern

- Trained in the different concepts, tools, and technologies of **Android App development**, including mini projects using all the tools to design a medicine reminder app that alerts the person to take medicines on time.

PROJECT

Airbnb Clone　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Jan 2024 - Mar 2024

- Developed a Fullstack **GraphQL** Airbnb Clone with **Next.js** for web page Built. on GraphQL **Typescript** Server. Features include user authentication, listing creation, chat, and deployment guides.

Google Chrome Extension Development　　　　　　　　　　　　　　　　　Nov 2023 - Dec 2023

- Create a Chrome extension that analyzes word count, alt text, and accessibility to improve usability. Utilized **HTML5**, **CSS3**, **JavaScript** for frontend.

Image Segmentation using ResNet.　　　　　　　　　　　　　　　　　　Sep 2022 - Dec 2022

- Utilized **ResNet** with **PyTorch** for image segmentation, leading data preprocessing and model implementation. Employed **Git**, Python, Albumentation, and Matplotlib alongside ResNet for proficient image segmentation.
- Achieved significant results on Pascal VOC dataset, enhancing medical imaging and object detection tasks.

Skin Cancer Detection and Classification using CNN.　　　　　　　　　Jan 2022 - Apr 2022

- Developed skin cancer detection system using **CNN** and **TensorFlow** with Matplotlib, Pandas, and NumPy for analysis. Aiming for early diagnosis, it enhances medical diagnostics, streamlining patient care.

CERTIFICATIONS AND COURSES

- Coursera - Introduction to Web Development, Machine Learning Algorithms　　　　May 2021
- Machine Learning, Edu Year | Cybersecurity, Cisco　　　　　　　　　　　　　　　May 2021
- AWS Certified Developer – Associate from Amazon Web Services(AWS)　　　　　　Oct 2023