

BHOOMIKA MATHAKALA

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EDUCATION

University of Central Florida, (Orlando, FL) <i>Master's in computer science</i>	Aug 2022- May 2024 3.91 GPA
GITAM University, (Bengaluru, Karnataka, India) <i>Bachelor of Engineering (Computer Science)</i>	Jul 2018 - Jul 2022 3.65 CGPA

TECHNICAL SKILLS

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

EXPERIENCE

City of Orlando Software Engineer Intern	Aug 2023- Apr 2024
<ul style="list-style-type: none">• Monitored and enhanced City of Orlando websites, reducing 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 Teaching Assistant	Jan 2023 – Mar 2023
<ul style="list-style-type: none">• Assisting Professor Edward Amoruso for the coursework – Introduction to Malware Analysis. Assistance with grading and tutoring for 100 undergraduate students.• I gained experience in dynamic/static analysis using tools like Cuckoo Sandbox, IDA Pro, and Ghidra, and learned about threat intelligence using YARA rules and VirusTotal.	
Salesforce Remote Summer Intern	Sep 2021 - Nov 2021
<ul style="list-style-type: none">• Learned the functionalities of the Trailhead online platform and made the apps of Customer Relationship Management more accessible for the customers.	
Verzeo Remote Android App Development Intern	Jul 2021 - Aug 2021
<ul style="list-style-type: none">• Trained in the different concepts, tools, and technologies of Android App development, including mini projects using all the tools to design a basic app.• Developed a medicine reminder app that alerts the person to take medicines on time.	

PROJECT

Airbnb Clone	Jan 2024 - Mar 2024
<ul style="list-style-type: none">• Developed a Fullstack GraphQL Airbnb Clone with React.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
<ul style="list-style-type: none">• Developed a Chrome extension integrating JavaScript for functionality. Utilized HTML5, CSS3, JavaScript for frontend.	
Image Segmentation using ResNet.	Sep 2022 - Dec 2022
<ul style="list-style-type: none">• Utilized ResNet with PyTorch for image segmentation, leading data preprocessing and model implementation. Employed Git, Python, Albumenation, 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
<ul style="list-style-type: none">• 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