Gayathri Satheesh

Postgraduate Student, IIITMK

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EDUCATION

MSc, Computer Science with specialization in Machine Intelligence *IIITMK, 2022 (expected)* CGPA : *na*	B.Voc, Software Development *Mar Ivanios College, University of Kerala, 2020* CGPA : 8.6/10	Kerala Higher Secondary State Board – Class XII *Christ Nagar EHSS* Percentage – 89%	Kerala Board of Public Examination – Class X Holy Angels' Convent HSS Percentage – 100%

WORK EXPERIENCE

AI/ML Intern, *Reflections Info Systems Pvt. Ltd.*
August 2021-Present
- Focus on developing computer vision based solutions.
- Currently working on template classification task for sports card rating system.

Research Intern, *NeuroAGI, IIITMK*
Supervised by Prof. A.P. James, March 2021-Present
- Conducted comparative analysis on cognitive architectures - primarily SOAR, ACT-R etc and deep learning models.
- Authored a research article - Comparative analysis of cognitive architectures and deep learning models.

Machine Learning Intern, *IIITMK*
March 2021-Present
- Generated ASTs of HLASM source code using handwritten grammar files.
- Utilized ANTLR (ANother Tool for Language Recognition) for generating AST.
- Designed and developed machine learning based transpiler architecture for legacy systems modernization.

GoogleCloudReady Facilitator, *Google*
March 2021-June 2021
- Facilitated over 300 students from various universities within India.
- Helped students understand and deploy various facilities of Google Cloud platform in multiple tracks including Cloud Infrastructure, Big Data & Machine Learning, Cloud-native Application Development.

Freelance Web Developer
August 2020-March 2021
- Developed web application that aggregates courses from various e-learning platforms.
- Designed and developed frontend and backend using MERN stack that enables users to search for desired courses, buy courses, track progress, filter top courses and filter courses by price.

ACHIEVEMENTS

2ⁿᵈ Rank Holder – *Batch of '20*
B.Voc Software Development, Mar Ivanios College

2ⁿᵈ Runner Up – *2019*
Western Guitar
South Zone Inter University Youth Festival

VOLUNTEERING

Member
Rotaract Club; 2021-Present

Student Leader
NSS Unit; 2021-Present
Digital University Kerala

Secretary
Lynx Computer Science Club; 2019-2020
Mar Ivanios College

SKILLS

Languages	Frameworks	Tools
- Python	- React JS	- Git
- JavaScript	- Node JS	- ANTLR
- Java	- Express JS	- MongoDB
- R	- Flask	- Google Cloud
- C++	- Django	- MySQL
- C	- Streamlit	
- HLASM	- Tensorflow	

Areas of Expertise : Cognitive Architectures, Computer Vision, Deep Learning, NLP, Web application development.

PROJECTS

Autolog - Automatic Face Detection based Attendance Management System, Course Project
Supervised by Mr Praveen J.S., December 2019-June 2020
- Developed a face detection software using LBPH Algorithm.
- Deployed the application using the Flask framework.

Bookserb, Personal Project
- Developed service platform using MERN stack for users and bookstores to list books for selling, renting and buying.
- Integrated features to track order, view purchase history, manage personal library.

OTHER ACTIVITIES

Participant, *Cisco ThingQbator Cohort - 4*
March 2021-Present
- *Bookserb* – project selected into project track.
- Designed and developed business model for the project.

Participant, *Cisco thingQbator Hackathon 4.0*
- Participated in a four day long hackathon and pitched a startup idea.
- Redesigned UI for *Bookserb* web application.
- Designed solution to minimize delivery time of books from pickup location to the delivery location.