Nakshathra Nazer Karakkadan

ACADEMIC DETAILS

B.Tech, Computer Science & Engineering	Government Engineering College, Thrissur	**73 %**	2022
CBSE (CLASS XII)	International Indian School, Dammam	**94.8 %**	2017
CBSE (CLASS X)	International Indian School, Dammam	**10 CGPA**	2015

SUBJECTS

Electives	Operating Systems, Data Structures and Algorithms, Object Oriented Design and Programming, Database Management System
Technical Proficiency	Big Data, Flutter, Python, C Programming, Java, Qiskit, REST

WORK EXPERIENCE

KPMG, Information Technology Analyst	Assessing compliance with information technology controls by testing infrastructure technologies, development projects, security, and information technology related work processes.	Jul 2022 - Present
CybraneX, Quantum Developer Intern	Working on simulating single photon three-qubit quantum logic using spatial light modulators. Responsible for figuring out the mathematical operations for two intricate experiments involving the creation of GHZ and W states and creating corresponding Matlab files.	Aug 2022 - Sep 2022
HSPM Solutions, Mobile Application Developer Intern	Received a first hand experience of working with REST APIs, Flutter UI and Firebase. Lion's Club - Building a flutter application of 6600 plus members for a Lions District that is spread in three Revenue Districts of Maharashtra. Techanics - Building a flutter application that provides doorstep value added services of Mobile/Laptop/Desktop Repairs to customers with prompt resolutions.	Aug 2020 - Nov 2020

PROJECTS

QOSF Challenges	1.Mottonen State Preparation Implementing state preparation - transformation of an arbitrary quantum state into another state using IBM Qiskit framework. https://github.com/nakshathranazer/Mottonen-State-Preparation 2.Quantum Mul Program created using a quantum algorithm that builds a multiplier and returns integer result. https://github.com/nakshathranazer/QuantumMul 3.Find Missing Number Program to find the missing number from a list using Grover search problem. https://github.com/nakshathranazer/FindMissingNumber	Jan 2023 - Jan 2023
IBM Quantum Challenge Fall 2022-Achievement - Advanced	Learnt about primitives in Qiskit Runtime. Explored data encoding and classical ML methods to build quantum kernels and quantum classifiers. Learnt to use optimization algorithms and worked out quantum chemistry problems using Qiskit Modules.	Nov 2022 - Nov 2022
Buried Body Detection in the aftermath of Landlsides	Developed a device that would help locate structures under a debris. Assembled using antennas that are specifically designed for the purpose. Outputs a radargram that gives insights into depth and shape of objects buried underneath.	Sep 2021 - Jun 2022
UNCOVTRACKER	The UNCOVTRACKER is a multi-sensor device. Details such as name, phone number, members accompanied, date, time, temperature measured is stored in a database for forwarding to the Health Department of the State. The software has been developed using Firebase and Flutter. https://github.com/nakshathranazer/Team-	Aug 2020 - Aug 2020
Iris Chatbot	ML- Integrated Chatbot on Google Dialogflow with iris dataset. https://github.com/nakshathranazer/chatbot	Jun 2021 - Jun 2021
Personality Quiz App	A Basic Quiz App in Flutter https://github.com/nakshathranazer/flutter	May 2020 - May 2020

POSITIONS OF RESPONSIBILITY

Executive Member, ARCH.AI	Conducting virtual workshops and events to learn and explore the world of AI.	Jul 2021 - Present

POSITIONS OF RESPONSIBILITY

Convener, Bansuri Music Club	Conducting virtual music events and mentoring juniors	Jun 2021 - Present
Joint Convener, Bansuri Music Club	Assisted in managing virtual music events.	Aug 2020 - Jun 2021

EXTRA-CURRICULAR ACTIVITIES

Chess	Member of college girl's team in zonal rounds.
Singing	Co founder of a music band in college
Tech Club	IEEE Computer Science Society

AWARDS AND RECOGNITIONS

Rajya Puraskar by Bharat Scouts and Guides		
Zonal Quiz Competition by Council of International Indian Schools	won second runner up position	

CERTIFICATIONS

Data Structures, Algorithms and Programming with Python, NPTEL	

COMPETITIONS

GEC Hacks	GEC HACKS Winner for the project UNCOVTRACKER, shortlisted by Kerala Startup Mission for financial funding.	Sep 2020

CONFERENCES AND WORKSHOPS

Android Development Workshop	**Organized by: Computer Science Dept | Date: Aug 2018**

TEST SCORES

KEAM	Rank: 1683		Apr 23, 2018

SCHOLARSHIPS

Central Scholarship,	Received scholarship worth 20,000Rs	Dec 2019

BASIC INFORMATION

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