Prince Mathew

Ph.D. Scholar
Theoretical Computer Science
Indian Institute of Technology Goa

+91-9447764066
prince@iitgoa.ac.in
0000-0001-6410-1474
prince-iitgoa.github.io

Personal Information

Date of Birth	:11-08-1992
Gender	:Male
Citizenship	:Indian
Permanent Address	:Kollaparampil House, Thachakunnu, Puthuppally P.O, Kottayam, PIN - 686011

Career Profile

I am pursuing my Ph.D. in Theoretical Computer Science under the guidance of Dr. Sreejith A.V. in the School of Mathematics and Computer Science at Indian Institute of Technology, Goa.

Education

•Indian Institute of Technology Goa *January 2019 to at present*
Ph.D. in Theoretical Computer Science CPI: 8.45

– **Chennai Mathematical Institute, Tamil Nadu** *January 2020 to June 2020*
Ph.D. Coursework

•College of Engineering Trivandrum, Kerala *August 2014 to April 2016*
M.Tech in Computer Science and Engineering CGPA: 9.11

•Saintgits Engineering College, Kerala *July 2010 to April 2014*
B.Tech in Computer Science and Engineering CGPA: 7.62

Experience

•Indian Institute of Technology, Goa *February 2018 to December 2018*
Junior Research Fellow

•Tata Elxsi, Trivandrum *January 2017 to January 2018*
Senior Engineer

•Central Polytechnic College, Trivandrum *June 2016 to October 2016*
Guest Lecturer

Projects

•MoES - River Width Extraction Project *February 2018 to December 2018*
Web application for MoES for calculating water discharge in rivers from satellite images.

– Tools & technologies used: Python, Django
– This work was done as a part of a joint project with Dr. Sreejith A.V (IIT Goa) and Dr. Gaurav Kumar (IISER Bhopal).

•Skill Center - Tata Elxsi *January 2017 - February 2018*
A web application to manage employee profiles of Tata Elxsi.

– Tools & technologies used: C#, MVC, .NET

– The application manages skills, project allocation, training, funnel management, performance evaluations, and resume creation. It helps assign projects based on employee skills, plan and track training, search for employees, assess performance, and create resumes.

•Fuzzy Classifier using Continuous Cellular Automata *June 2015 - September 2016*

Developed a Continuous Cellular Automata based fuzzy classifier in Java using Weka.

– Tools & technologies used: Java, Weka
– Project done as part of Masters degree thesis.

•Open Image Transcriptor *June 2013 - June 2014*

Image processing tool to recognise musical notes from sheet music and convert it into a MIDI file.

– Tools & technologies used: Java, Python
– Project done as part of Undergraduate project.

Publications

•One deterministic-counter Automata *January 31, 2023*
Co-authors: Dr. Vincent Penelle, Dr. Prakash Saivasan, Dr. Sreejith A.V. arXiv

•CAP: A Cellular Automata based fuzzy classifier *February 26, 2022*
Co-authors: Dr. Abdul Nizar M Materials Today Proceedings

•Optical music recognition using image processing and machine learning *August 11, 2018*
Co-authors: Rahul Vijayakumar, Aju Tom Kuriakose, Jesmy Sunny, Dr. Ramani Bai V IJCSE

Research Visits

•The Institute of Mathematical Sciences, HBNI *June 1-30, 2022*