Bidhov Bizar

CONTACT INFORMATION

Indian Institute of Science
bidhovbizar.office@gmail.com
Skype : live:bidhovbizar
+91 8848-679-599
bidhovbizar@iisc.ac.in
https://ece.iisc.ac.in/∼bidhovbizar/

RESEARCH INTERESTS

Distributed Systems and Networks, Network Telemetry and Analysis, Data Science

PROFESSIONAL EXPERIENCE

Internship: 05/2015
Robosapiens Technologies Pvt. Ltd
Detailed study and analysis of ATMEGA328,ATMEGA168

Technical Lead:
Tropical Institute of Ecological Science 08/2015-04/2016
Worked on product design.

COMPUTER PROFICIENCY

Programming Languages:	Java, Python, C, C++
Programming Frameworks:	Embedded C, AVR, Ryu, Pox
Tools & Technologies:	Kafka, NS3, Dockers, WireShark, Mininet
Operating System:	LINUX, Windows, CentOS
Software:	LaTeX
Scripting:	MATLAB, Bash
Databases:	MySQL
Web Technologies:	HTML

HONORS & AWARDS

- All India rank 1276 in ECE stream in GATE, 2018.
- Project shortlisted for AIYEHUM,IEEE R10.[2016]
- Shortlisted for Mathematics camp For INMO (2011,2012)
- 99^{th} rank in Junior Mathematics Olympiad, 2010.

EDUCATION

M. Tech.(Research), Indian Institute of Science 07/2018-Present
Electrical Communication Engineering, Network Lab
◇ Advisor: Parimal Parag

B. Tech., Rajiv Gandhi I.T., Kottayam 07/2012-07/2016
Electrical Engineering
Class Rank : 7/72

Higher Secondary School, Kendriya Vidyalaya, KGQ 06/2010-07/2012
Science Stream
Percentage : 94

High School,Kendriya Vidayalaya, KGQ 06/2004-07/2010
Percentage : 92

Relevant Courses

Electrical Engineering: Digital Communications, Communication and Sensor Networks, Real Time System, Image Processing.
Mathematics: Probability, Convex Optimization, Queuing Thoery.
Data Science: Machine Learning, Practical Data Science, Pattern Recognition and Neural Network

Academic Experience

Research Assistant, CUSAT 06/2015
Department of Physics

Funded Projects

- **Networking:**

  Simulated Fat-Tree topology to observe the the congestion of flow in **NS3**.[2020]
  Emulated Fat-Tree topology in mininet to collect the telemetry data using **Ryu** Controller.[2020]

- **Java Development:**

  Deployed **Kafka** system in Network Lab and optimized it for better performance.[2019]

- **Data Science:**

  Processed the **telemetry** data by applying sketching algorithms and observe the congestion.[2020]
  Studied **Multi-label regression** techniques such as xgboost, random forest, Naive Bayes over **sketched** data.[2019]
  Binary classification and predict the trump cards for a game of cards.[2019]

- **Hardware Project:**

  Developed **Heterogenous Traffic Analyzer** to be deployed in roads to calculate traffic intensity.[Funded By TEQUIP,2016]
  Created **Electronic Braille reader** to read from text paired with mobile via bluetooth.[Funded by AIYEHUM,IEEE,2015]
  Automated Bio Gas plant for research in bacteria.[Funded by TIES,2016]

- **C++ with SQL:**

  Created billing system for storage and book keeping purpose, where the database source was stored at MySQL database. [2012]

Memberships

IEEE, Computer Society, WIE