

Basil Shaji

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EDUCATION

- **Karunya Institute of Technology and Sciences, Coimbatore, Tamil Nadu, India**
Bachelor of Technology - Computer Science and Engineering with Spec in AI and ML Expected Graduation: 2027
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases
- **Navajyothi Senior Secondary School, Edathotty, Kannur, Kerala, India**
Secondary Education: Completed Grades: 11th & 12th March 2021 - March 2023
Stream: Computer Science (Python, Database, GUI)

SKILLS SUMMARY

- **Languages:** Python, C, SQL
- **Frameworks:** Scikit, Elastic Search, Kibana, GIT
- **Proficiency:** English, Malayalam, Hindi, Tamil
- **Tools:** GIT, PostgreSQL, MySQL, Other AI tools
- **Platforms:** Linux, MacOS, Windows, Arduino, Raspbian OS, DOS, Azure
- **Soft Skills:** Leadership, Event Management, Quick Learner, Writing, Public Speaking, Team Work, Project Management

CERTIFICATIONS & ACHIEVEMENTS

- **Microsoft - Cloud Skill Challenge : Azure Fundamentals:** Cloud Computing, Azure Fundamentals, Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS), Azure Services, Azure Portal, Azure Resource Management, Identity and Access Management (IAM), Azure Active Directory (AAD), Types and Functions of Servers.
- **Accenture - Data Analytics and Visualization Job Simulation:** Project Understanding, Data Cleaning and Modeling, Data Visualization and Storytelling, Present to the Client.
- **IBM - What is Data Science (Ongoing Course):** Importance of Data Science, New concepts from industry experts, Foundational understanding of Data Science subject or tool, Job-relevant skills with hands-on projects, Various Data Science career paths, Advices given by various Data Science professionals.
- **DeepLearning.AI - Supervised Machine Learning: Regression and Classification (Ongoing Course) :** AI models explained, Machine Learning, Deep Learning, Build machine learning models, Supervised machine learning models

EXPERIENCE

- **Event Coordinator - Crypto Crime, Mindkraft, Karunya Institute of Technology and Sciences:** Conducted an Exciting Treasure Hunt offline event for students with 110+ participants to solve the engineering level technical questions based on Cryptography and Linux basics.
- **Core Team - IEEE, Karunya Institute of Technology and Sciences:** The IEEE Student Branch of Karunya Institute of Technology & Sciences is a technical community of doctoral, masters, and undergraduate students.

PROJECTS

- **Students Innovation Festival (SIF) - Space Hackathon 2023 (Behaviour Analysis Threat Detection AI Model):** AI/ ML models to analyze the patterns and Behavior Analysis of the logs collected by the Network Security Devices and to automate / alert mechanisms to report the system / network administrators in near- real – time basis.
- **Speaker Diarization & Audio Segmentation Project:** This project is to streamline the tasks of video analysis by taking a YouTube link as input, downloading the video, converting it into an audio file, and performing advanced audio processing tasks. The primary focus is on speaker diarization, visualization of the speakers, and extraction of individual speaker audio segments..
- **Kidney Stone Detection AI Model using YOLOv8:** A Kidney Stone Detection Model based on YOLOv8, trained using a dataset comprising CT scan images depicting both kidney stone-afflicted and normal conditions.

PUBLICATIONS

- **Conference Paper: A Comparative Analysis of Botnet Detection Techniques: Boosting vs. Random Forest:** International Conference on Recent Trends in Engineering and Management (RTEM 2024), at Chennai. Conference is organized by New RAINS in association with Vignan's University, India and Hanyang University, South Korea.
- **Conference Paper: Blood Cancer Detection using Convolutional Neural Networks:** National Conference on Recent Trends in Engineering and Technology (NCRTEET '24), Conference was Organised by Gojan School of Business and Technology, Nallur, Tamil Nadu at 27-April-2024.

CONFERENCES & WORKSHOPS

- **Indo-Israel Conference at SSN College, Chennai - Network Reliability in Wireless Sensor Networks (WSN) for Agricultural Applications:** Wireless Sensors, Degradable Sensors for Agriculture, Agricultural Applications, Distributed System, Spanning Tree Algorithm, Dijkstra's Algorithm.
- **Workshop at IIT Bombay (By Edufabrica) - AI with ML by using Python and Data Science:** Machine Learning (ML), Data Science, Data Analysis, Deep Learning, Neural Networks, Supervised Learning, Unsupervised Learning.