FEBY ELIZABETH JOHN

M.Tech in AI | Full-Stack Software Developer

PERSONAL DETAILS

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TECHNICAL SKILLS

- **Programming Languages:**
  - C, C++, C#, Python, Golang
- **AI and Data Science:**
  - Machine Learning models
  - Deep Learning models (CNN, RNN, LSTM, GRU, BNN)
  - Explainable AI (SHAP, LIME)
  - Exploratory Data Analysis (EDA)
  - Feature Engineering
  - NLP
  - Adversarial Learning
- **Python and Data Science Libraries:**
  - Keras, Tensorflow, NumPy, Pandas, Scikit-learn, OpenCV, NetworkX
- **Frameworks:**
  - .Net, Angular Framework
- **Database Management:**
  - MSSQL
- **Web Development:**
  - HTML, CSS, JavaScript, TypeScript
- **Big Data and Cloud Computing:**
  - Hadoop, AWS EC2, AWS S3, Apache PySpark
- **Tools and platforms:**
  - GitLab, GitHub, Gephi, Arduino, Raspberry Pi

PROFILE

An Electronics and Communication Engineer by graduation and a Software Developer by profession, I am a highly motivated individual currently pursuing M.Tech in Artificial Intelligence, with a relentless drive and passion to acquire new skills. I am looking forward to work in a competitive environment where I can work in innovative projects and in return, deliver my skills to achieve the KPI of the organization.

EDUCATION

2024-2026

Master of Technology from **Amrita University, India**

Amrita Vishwa Vidyapeetham, Coimbatore
- *Branch*: Artificial Intelligence
- *CGPA*: 9.3/10

2017-2021

Bachelor of Technology (Hons.) from **A.P.J Abdul Kalam Technological University, Kerala, India**

IHRD College of Engineering, Kottarakkara, Kerala
- *Branch*: Electronics and Communication
- *CGPA*: 9.95/10

2017

AISSCE (Senior Secondary Education)

MGM Residential Public School, Kottarakkara, Kerala
- *Board: CBSE*
- *Percentage*: 95.6%

2015

AISSE (Secondary Education)

MGM Residential Public School, Kottarakkara, Kerala
- *Board*: CBSE
- *CGPA*: 10/10

EXPERIENCE

Full-Stack Software Developer   *Aug 2021 – Apr 2022*

Good Methods Software Solutions Pvt. Ltd. (CareStack), *Trivandrum*

Good Methods Software Solutions Pvt Ltd is a renowned product-based company that develops a DMS (Dental Management Software) known as CareStack, intended for the Dental hospitals in US, Europe, and Australia.

Key responsibility: Development of Revenue Cycle Management (RCM) which provides software solution for Billing, Receipts and Balance Management, Insurance Tracking, etc.

During this tenure, acquired experience in SOLID coding principles, RDBMS (MSSQL), .Net Framework, and C# for Backend Development, Angular, HTML, CSS, TypeScript, and JavaScript for Frontend Development, MSSQL for Database Management, and GitLab DevOps platform. Experience with AGILE workflow.

OTHER SKILLS

- Creative Writing
- Public Speaking
- Leadership skills
- Management skills
- Interpersonal skills

AWARDS

- **University Topper** of **APJ Abdul Kalam Technological University** with 1st rank in B.Tech (Hons.) Electronics and Communication Engineering, 2021.

- 1st place in **Women in Engineering's (WIE) 'I Can Speak'** video contest, as a part of International Women's Day, 2018, IEEE Travancore Hub.

- **Best Outgoing Student Award** and **School Topper Award**, 2016-17, MGM Residential Public School, Kerala.

- 2nd place in CBSE Regional Level of India - **Africa Forum Summit Creative Expression Contest**, 2015, Central Board of Secondary Education.

CO-CURRICULAR

- **Chairman of WIE,** IEEE SB, 2020-21
- **WIE Secretary**, 2019-20
- **Content Writer** of IEEE SB, 2019-21
- **Chief Creative Officer** of **IEDC**, 2020-21
- **Placement Cell Coordinator**, 2019-21
- **National Service Scheme (NSS) volunteer, 2017-21**

LANGUAGES

- English
- Hindi
- Malayalam

PROJECTS AND SEMINARS

- **Evolutionary Algorithm-Guided Adversarial Training** *Ongoing*

  Amrita Vishwa Vidyapeetham | M.Tech Research Project

- **Image De-Noising using Deep Learning** *2025*

  Amrita Vishwa Vidyapeetham | M.Tech Minor Project

- **Pelvic Fracture X-Ray Segmentation using Bayesian Neural Network** *2024*

  Amrita Vishwa Vidyapeetham | M.Tech Minor Project

- **CareStack Pay** *2022*

  Good Methods Software Solutions (CareStack) | Software Developer

  Enagaged in the development and launch of a new product line – *CareStack Pay,* to facilitate online transactions for CareStack users.

- **Automated COVID Prevention System using Raspberry Pi** *2021*

  IHRD College of Engineering, Kottarakkara | B.Tech Major Project

  Developed an automated system for COVID prevention using Raspberry Pi and Machine Learning, executing integrated functions such as - Face mask Detection using Haar Cascade Algorithm, TensorFlow and OpenCV, Temperature Detection, Occupancy Counter, Automatic door closing and Hand Sanitization.

- **Voice Controlled Robot Car using Arduino Uno** *2020*

  IHRD College of Engineering, Kottarakkara | B.Tech Minor Project

- **Seminar on Facial Recognition based Attendance System using Haar Cascade and Local Binary Pattern Histogram Algorithm** *2020*

  IHRD College of Engineering, Kottarakkara | B.Tech Seminar

CERTIFICATIONS AND COURSES

- **AI Engineering Professional Certificate** by IBM – *2024 ongoing*
- **TOEFL iBT** 2024 score: **110/120**
- Internship in **Computer Vision and Robotics** from Leap4Learn – *2021*
- Certificate in **Programming in Java** from NPTEL – *2021*
- Certificate in **Microprocessors and Microcontrollers** from NPTEL – *2021*
- Certificate in **Introduction to IoT** from NPTEL – *2020*
- Certificate in **JAVA** from NSS Computer Centre, Kerala – *2019*
- Workshop on **Ethical Hacking** from Yet Another Security (YAS) – *2019*
- Certificate in **AutoCAD 2013** from NSS Computer Centre, Kerala – *2018*
- Certificate in **C-Programming** from NSS Computer Centre, Kerala – *2018*