

Renuka Devi Kailangiri

Assistant Professor | IBM-certified applied
AI & Gen AI professional | Quick Learner,
Data enthusiast, Developer

A Java programmer with good problem-solving and
analysis capacity to solve real-time problems

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<https://scholar.google.com/citations?hl=en&user=06Czn5MAAAAJ>



Education

Master of Engineering (CSE)

Dr.Mahalingam college of engineering and
Technology

06/2018 – 04/2020

Coimbatore, India, 94%

Bachelor of Engineering (CSE)

Dr.Mahalingam college of engineering and
Technology

08/2014 – 07/2018

Coimbatore, India, 87%

Skills

Data analysis

Java

Software Development

Web development

Android application development

Software Proficiency

Languages : **Java**, C, C++, Python

Database : MY SQL & Oracle

O/S : Microsoft Windows Series

Tools : Microsoft Power BI, Selenium testing
tool, Oracle VM virtual box

Achievements

- ✓ Honoured as Best Outgoing Student in Post-Graduation by NIA Educational Institutions during the year 2020.
- ✓ **Journal papers to expose my research ideas and development**
 - Journals Published: 6
 - National & International papers published: 9
 - Book chapters published: 8

Courses and Certifications

- ✓ Participated in virtual Faculty Buildathon **Data analytics with cognos** offered by **SmartInternz and IBM**.
- ✓ Got certified by **Coursera** in the field of **IBM Applied AI Specialization**.
- ✓ Got certified by **Coursera** in the field of **Generative AI for Data Analysts**.
- ✓ **Introduction to Programming with Java** in **Udemy**.
- ✓ **Python programming in Big Data University, Cognitive class**

Certified by Coursera in:

- ✓ Data Warehousing and Business Intelligence
- ✓ Introduction to Visual Basic Programming
- ✓ Classical Cryptosystems and Core Concepts
- ✓ Introduction to Cybersecurity Tools & Cyber Attacks
- ✓ AI for Everyone
- ✓ Cluster Analysis in Data Mining
- ✓ Cloud Computing Security
- ✓ Databases and SQL for Data Science
- ✓ Text Retrieval and Search Engines
- ✓ Data Structures

Work Experience

-Assistant Professor

MVJ College of Engineering

03/2024 – 09/2024

Bangalore, India

Subjects Handled

- ✓ Project management, Advanced Java

- Assistant Professor

Dr.Mahalingam college of engineering and Technology

02/2021 – 09/2023 Coimbatore, India

Subjects Handled

- ✓ Cloud Computing, Cryptography and Network Security, Multimedia Systems and Application, E-commerce, Android programming, Software Engineering

Achievements/Tasks

- ✓ Hands-on experience in **maintenance and administration of business applications and technical applications** in college level.
- ✓ Having good experience in **defect investigation in Production system over the new release** for the student project solution.
- ✓ Acted as a **Coordinator** and Organizer for **Academic/Non-Academic, Technical/Non-Technical Activities**.

- Engineer Intern

The Smartbridge

04/2020 – 06/2020 Online

Achievements/Tasks

- ✓ Developing a web application for searching the news which is based on **artificial intelligence technology and cloud technology**.
- ✓ Designing an **AI based news search app** is used to retrieve the news based on user requested query by utilizing the Watson discovery service from **IBM cloud** and also able to respond to the slack search requests.

Projects

Interactive Chat Application for Travel (July 2017 to April 2018)

- ✓ A **Web application** which serves to identify the flight tickets with minimum fare by comparing the top three airline booking sites. This helps users for an **effective search of flights** and also minimizes time. A **Chat application** was incorporated which helps visually challenged people to use the application as well.

Unveiling the Virtual Classroom: An In-Depth Analysis of the Online Education System (July 2023 to September 2023)

- ✓ Analysing online education data to extract trends and patterns whereas by utilizing **IBM cognos analytics platform**, the data has been

explored, various visualizations, and dashboards created. It mainly helps to **analyse the students' performance before and after pandemic in-order to improve them**.

Nutrition Recommendation for Diabetic Patients using Improved Krill-Herd Optimization (July 2019 to March 2020)

- ✓ The **Recommendation System** which aims to provide appropriate nutrition to the diabetic patients based on their blood glucose levels based on different time intervals **through clustering and optimization techniques**.

Other projects

Project title	Duration	Description	Skills gained
Placement Tracker	Jan 2017 to May 2017	An android application which is used to track the students who got placed in a company and also the students who are yet to be placed.	Android Studio
Password Generator	April 2019	A jframe application which could be able to generate about three different types of passwords based on the user given input.	Java
Linkers	May 2019 to June 2019	A Web application which serves to identify different website links based on the topic the user searched.	HTML, CSS and JavaScript
Chatolink	July 2019 to August 2019	The Android Application to chat with the peers and to get desired website links based on their needs.	Android Studio

Secure Lap	December 2019	If someone accesses the laptop without the knowledge of the user, the secure mail will be send to the user's mail- id about its access.	Java
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Other experience

- ✓ Undergone two days **training on Mobile Application Development** at Abile Technologies, Coimbatore.
- ✓ Undergone five days **training on Android App Development, SDLC** at UNIQ Technologies, Coimbatore.