Krishnakala Madhankumar

📞 +91 877 845 08 29 ⬀   ✉ krishanusat@gmail.com ⬀   🔗 Krishnakala ⬀

Summary

A competent and organized individual, able to work as part of a team and manage several priorities at one time, with positive attitude, strong work ethic, and a keen desire to learn and grow within the firm.

Education

M.E **Sethu Institute of Technology, Anna University**,   2014 to May 2016
Computer Science and Engineering (Special. Networking)

- GPA: 8.6/10
- **Coursework:** Computer Networking, Wireless Networks, Sensor Networks, Networking protocols

B.E **Sri Vidya College of Engineering and Technology, Anna University**,   2010 to May 2014
Computer Science and Engineering

- GPA: 7.9/10
- **Coursework:** Software Foundations, Computer Architecture, Algorithms, Artificial Intelligence, Comparison of Learning Algorithms, Computational Theory, Operating Systems, Database Management Systems, Basic Programming Languages, Web Development.

Experience

Sri Vidya College of Engineering and Technology, Assistant Professor   April 2024 to Present
     7 Months

- Handled subjects: "Theory of Computation", " Programming in C", " Cryptography and cybersecurity", "Data Exploraation and Visualization" , " Foundations of Data science".
- My main responsibility here is to categorise the students domain wise (mainly "Full Stack Development" and "Data Science") and guiding them with the road map of each domain along with the assessments of their progress.
- Mentoring 45 Students.
- **Tools using:** Google Classroom for LMS, Quizizz for assessments, Screenpal for video and screen recording, Visual studio, Google Colab and online compilers for programming.

KGiSL Institute of Technology, Assistant Professor

June 2023 to April 2024
10 months

- Taught the subjects "Data Structures and Algorithms with C", "Data Structures and Design with python" , "Information Security".
- Prepared several files for the audits for accreditation
- Guided the students for Hackathons.
- Attended several seminars on Cybersecurity.
- Mentored 20 Students.
- **Tools used:** Google Classroom, Moodle for LMS, Quizizz and Kahoot for assessments, Screenpal,loom for video and screen recording, Python tutor for visualizing the coding.

Rathinam Technical Campus, Assistant Professor

Dec. 2022 to June 2023
6 Months

- Taught the subjects "Artificial Intelligence" , " Problem solving using python"
- Worked with my team for few Accreditation processes.
- Mentored 30 Students.
- **Tools used:** Google Classroom, Quizizz and for assessments, Python tutor for visualizing the coding.TensorFlow Playground for stimulating AI&ML.

Publications

Working on a book to publish this year titled **"Cryptography and CyberSecurity"**

Authors: Krishnakala C , Anandapriya C ,Ranjithaa R,

Area of Specialization

Data structures, Networking, Cybersecurity, Data Science, Artificial Intelligence and Machine Learning

Area of Research

Data imputation methods (Handling of missing data)- DATA SCEINCE

Additional Experience

Faculty Development Program (2023): on "Data structures and Algorithms" at IIT Madras.Was awarded training to promote an algorithmic mindset in students and spark their curiosity about developing novel algorithms.

Faculty Development Program (2024): on "Robotic Process Automation" (RPA) at PSNA College of Engneering and Technology

Technologies

- **Languages:** C, Python, HTML,CSS,JavaScript,CSS

- **Interactive Teaching tools:** Replit, Python tutor, Kahoot, Quizlet, Quizizz, Screenpal

- **Learning Management Tools:** Google Classroom, Moodle, Github