Kamalamalini N

Portland, OR | malinisundar1625@gmail.com | +1 463-999-5517 | linkedin.com/in/kn1606

Summary

Dynamic and student-centered educator with a master's degree in computer science, bringing robust industry experience and a strong track record of excellence in teaching undergraduate Information Systems, Programming, and Database courses. Passionate about developing innovative, high-quality curricula aligned with AACSB standards. Expert in mentoring diverse student populations, promoting hands-on learning, and integrating emerging technologies like cloud computing, AI, and big data into traditional IS education.

Skills

Programming Languages: Java, Python, JavaScript

Web Development: HTML, CSS, Microservices, REST APIs

Databases: MySQL, MongoDB, SQL

Cloud Computing: AWS Certified Solutions Architect (2024), Microsoft Azure Developer Associate (2022)

Experience

Instructor | Oregon Institute of Technology | Oct 2024 - Present | Portland, OR

- Teach undergraduate Information Systems courses: Systems Analysis I-III, Database Systems (Intro and Advanced), Big Data, Data Mining, and Python Programming.
- Developed project-based learning modules aligned with AACSB and ABET standards to foster critical thinking.
- Spearhead the design of a new Artificial Intelligence course curriculum.
- Actively mentor faculty, participate in curriculum committees, and contribute to accreditation efforts.
- Integrate AWS and Azure cloud computing platforms into classroom instruction.

Lecturer | Indiana State University | Aug 2024 - Dec 2024 | Terre Haute, IN

- Designed and delivered Web Programming course, covering JavaScript frameworks, CSS design, HTML templating, Git, and full-stack integration.
- Facilitated hands-on projects and Agile workflows to enhance student learning.

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- Advised students on career development, boosting internship and co-op placements.
- Contributed to departmental initiatives by collaborating on curriculum updates and student success programs, reinforcing academic excellence and supporting Information Systems program growth.

Java Developer | Tata Consultancy Services | Client: Citi Bank| Sep 2019 - Jan 2022

- Engineered enterprise-level Java/Spring Boot applications for financial services, ensuring high availability, security, and performance aligned with business requirements.
- Led backend modernization efforts, achieving a 17% increase in application speed and 24% faster analytics reporting through optimized RESTful API designs.
- Cultivated strong cross-functional collaboration skills, translating technical concepts for non-technical stakeholders to drive business acceptance of new system features.

Java Developer | Tata Consultancy Services | Client: Citi Bank| Jan 2019 - Aug 2019

- Designed scalable Java-based reporting solutions, achieving a 20% boost in system efficiency for eligibility compliance operations.
- Implemented full-stack enhancements through JavaScript-based client-side validation and strategic database tuning, enhancing Oracle SQL performance by 50%.
- Demonstrated flexibility by bridging backend and frontend development teams, a skill mirrored in interdisciplinary IS course instruction.

Education

Portland State University| Ph.D | currently pursuing

Research area: Large language models in education, efficient natural language processing.

University of Wisconsin-Milwaukee | M.S. in Computer Science | Dec 2023 | GPA: 3.7

Relevant Coursework: Machine Learning (Python), Advanced OOP, Advanced Networks, Program Analysis in Scala, Cloud Computing (AWS) (Note: Full-time graduate studies completed Jan 2022 - Dec 2023)

Anna University | Bachelor of Engineering in Computer Science | May 2018

Relevant Coursework: Data Structures and Algorithms, Artificial Intelligence