

DIVYA R S

Senior Analyst - Learning (Apple and Mobility Track)

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Visa Status: Spouse Visa

PROFESSIONAL SUMMARY

Accomplished Computer Science Educator with 15+ years of experience as Assistant Professor at Mar Baselios College of Engineering & Technology and 3.5+ years of industry experience as Senior Analyst- Learning at Infosys. Expertise in curriculum development, student mentoring, and academic research with 2+ IEEE publications. Proven track record in integrating emerging technologies (AI/ML, Web Application Development, Mobile App Development, Cyber Security, IoT) into engineering education. Adept at project-based learning, academic administration, and research supervision. Seeking opportunities in UAE universities and software development roles to contribute to innovation, technology integration, and excellence in computer science education and development.

PROFESSIONAL EXPERIENCE

Senior Analyst - Learning (Apple and Mobility Track)

Infosys Limited, Trivandrum | Apr 2022 – Present

- Developed 5+ Flutter & Android apps for internal training, improving user engagement by 30%.
- Integrated Firebase Auth & Real-time Database for a cross-platform learning management app.
- Mentored junior developers in Kotlin, Android & Flutter best practices, accelerating project delivery.

Assistant professor

Mar Baselios College of Engineering & Technology, Trivandrum | Jun 2007 – Apr 2022

Teaching & Curriculum Development

- Designed and delivered 30+ courses in Computer Science & Engineering for UG/PG programs
- Modernized curriculum by integrating AI/ML, Cyber Security, Programming (Java, Python, C, Web Technologies), Web Development and Mobile App Development (Flutter/Android)
- Developed project-based learning modules that increased student employability by 40%
- Established the college's first Mobile/Web Development Lab with 20+ Devices.

Research & Innovation

- Supervised 100+ student projects in emerging technologies (Mobile App Development, IoT, Cybersecurity, ML)
- Published 2+ IEEE research papers on mobile technologies and intelligent systems
- Conducted workshops on Agile Development, Git, and Modern Programming Practices

Academic Leadership

- Served as Department Research Coordinator for 5 years
- Member of BoS (Board of Studies) for curriculum revision
- Led NBA (National Board of Accreditation) preparation for Computer Science department
- Mentored 1000+ students for academic and career development

Technical Integration in Education

- Developed educational mobile apps (Campus Plant Locator, ML-integrated Android App)
- Implemented e-learning platforms for blended learning environments
- Pioneered industry-aligned certification programs in collaboration with tech firms

Project Coordinator (Software Development)

CR & DC, Trivandrum | Jun 2006 – Jun 2007

- Built 3+ web apps using HTML, CSS, JavaScript, and MySQL, enhancing workflow efficiency.

- Debugged and refactored legacy code, improving system stability.

TECHNICAL & PEDAGOGICAL SKILLS

- Curriculum Development: Applied to design and modernize 30+ UG/PG courses in Computer Science, integrating emerging technologies (AI/ML, Cyber Security, IoT, Mobile Development) at Mar Baselios College.
- Academic Research Supervision: Implemented to guide 100+ student projects in IoT, cybersecurity, and machine learning, resulting in 2+ IEEE publications and prototype developments.
- Technology-Enhanced Learning: Utilized to establish network lab and mobile development lab with 20+ Android devices and implement blended learning platforms for computer science education.
- Accreditation Compliance: Applied in preparing documentation and quality assurance processes for NBA (National Board of Accreditation) compliance in the Computer Science department.
- Workshop Facilitation: Conducted hands-on training sessions on Agile methodologies, Git version control, and modern programming practices for engineering students.
- Laboratory Development: Spearheaded creation of specialized labs for mobile app development and IoT systems to support practical learning outcomes.

SOFT SKILLS

- Student Mentorship: Demonstrated through individualized career guidance and academic support for 1000+ engineering students across 15 years.
- Interdisciplinary Collaboration: Applied when working with industry partners to align curriculum with current tech trends and organize guest lectures.
- Academic Leadership: Exhibited as Department Research Coordinator and active member of the Board of Studies for curriculum revision.
- Innovative Pedagogy: Implemented through project-based learning modules and flipped classroom techniques to enhance student engagement.

EDUCATION

- M.Tech (Computer Science & Engineering) – CUSAT University | 2013
- B.Tech (Information Technology) – LBS Institute of Technology for Women | 2006

CERTIFICATION

- Infosys Certified Associate Mobile Developer
- Infosys Certified Kotlin Android Developer
- Infosys Certified Flutter Developer
- Infosys Certified Business Communication Excellence through Learnship Global English Program
- Infosys Certified Digital Accessibility Associate
- Infosys Certified AI Aware and AI Builder
- CCNA (Cisco Certified Network Associate) in 2007 with 100%.

ACHIEVEMENTS

- Infosys ETA Excellence Award 2024 | IBM Cyber Security Instructor Badge
- Infosys Certified: Kotlin Android Dev | Flutter Dev | AI Builder | Digital Accessibility
- CSI Inapp Award 2017 (Golden Aid Project) | CCNA (100% Score)

RESEARCH PROJECTS

- Machine Learning integrated Android App
- An Intelligent Text Encryption System Using Musical Notes
- Android App to locate plants within MBCET campus as part of Nature Club Activity
- An Automated System for Geriatric Care
- Super Secure Door Lock System for Critical Zones

PROJECTS – Content Development for Infosys Learning Platform(Lex)

Developed and delivered multiple technical learning projects under the Apple & Mobility Track for the Infosys Lex platform, focusing on mobile technologies and digital accessibility. Each project combined curriculum design, technical authorship, and hands-on implementation to enhance the digital learning experience for global learners.

Key Projects:

- **Mobility - An Overview:** Designed an introductory course outlining mobile app development fundamentals, architecture, and cross-platform development frameworks.
- **Digital Accessibility for Mobile Apps:** Created content on accessibility principles (WCAG/ADA), inclusive design, and assistive technology integration.
- **Digital Accessibility for Android Apps:** Developed modules demonstrating accessible UI patterns, TalkBack compatibility, and accessibility testing methods.
- **Mobile App Development using Flutter:** Authored comprehensive training with hands-on exercises on Dart programming, widget architecture, and app deployment.
- **RealmDB in Android:** Built instructional content on integrating RealmDB for efficient local data storage and synchronization.
- **Essentials of Android:** Structured a foundational Android development course covering Kotlin, UI components, and app lifecycle management.
- **Dart Programming:** Designed a beginner-friendly programming course introducing syntax, data types, OOP, and Flutter integration.

Impact:

- Enabled upskilling of 5,000+ Infosys learners globally in mobility and accessibility domains.
- Enhanced corporate training outcomes by embedding accessibility compliance and modern app development practices.
- Collaborated cross-functionally with technical SMEs and instructional designers to ensure content quality, pedagogy, and technical accuracy.

CONFERENCES & PUBLICATIONS

- Published paper: "Encrypting Text Files using Musical Notes," ICIDCA 2020, September 2020.
https://www.researchgate.net/publication/348984794_An_Intelligent_Text_Encryption_System_Using_Musical_Notes
- Paper published: "The Golden Aid," NetACT 2017, July 2017.
<https://ieeexplore.ieee.org/document/8076818>
- Paper published: "Super Secure Door Lock System for Critical Zones," NetACT 2017, July 2017.
<https://ieeexplore.ieee.org/abstract/document/8076773>
- Presented and published paper on "Distributed Parallel Data-Intensive Computing for Scientific Applications" at a national conference on emerging trends in computing.
- Presented paper: "Parallelization of Allan Variance Analysis on Ring Laser Gyroscope" at SISTAAM-2013, July 2013, in association with the Computer Society of India.

ADDITIONAL DETAILS

- Languages: English (Fluent), Hindi (Fluent), Malayalam (Native)
- IELTS: CLB 7 (Listening: 8.5 | Reading/Writing/Speaking: 6.5)