

Balachandran

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Education

Master of Computer Applications (MCA)

APJ Abdul Kalam Technological University, 2024 - Present

- Advanced coursework in Software Development, Data Structures, and Algorithms
- Projects on Full-Stack Development, Machine Learning, and Cloud Computing
- Specialized in Cybersecurity, Artificial Intelligence, and Blockchain Technology

Bachelor of Computer Applications (BCA)

University of Kerala, 2021 - 2024

- Strong foundation in Software Development, Database Management, and Computer Networks
- Projects on Java, Python, Web Technologies, and Mobile App Development
- Focused on Cloud Computing, Cybersecurity, and AI-based applications

Skills

- Programming Languages: C, C++, Java, Python
- Web Development: HTML, CSS, JavaScript, React.js
- Backend: Node.js, PHP, Django
- Database: MySQL, SQL, NoSQL Concepts
- Version Control: Git, GitHub Basics
- Cloud Computing: AWS, Azure
- Software Development Life Cycle (SDLC) & Agile Methodologies

Certifications

Database Management System - NPTEL

- ER Models, Relational Algebra, and SQL
- Normalization and Database Indexing
- Transaction Processing and Concurrency Control
- Basics of Distributed & NoSQL Databases
- Database Security and Query Optimization

Cloud Computing Fundamentals - NPTEL

- Cloud Architecture & Service Models (IaaS, PaaS, SaaS)
- Virtualization & Containerization (Docker, Kubernetes)
- Cloud Platforms (AWS, Azure, Google Cloud)
- Cloud Security & Compliance
- Distributed & Serverless Computing