

Akshay Kunnamkalath Mohanakrishnan

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EDUCATION

University of Texas at Dallas

Master of Science in Computer Science. CGPA 3.96/4.0

Dallas, TX

Aug. 2021 – May 2023

- Data Structures and Algorithms
- Web Development
- Advanced Operating Systems

Cochin University of Science and Technology

Bachelor's in Computer Science. CGPA 8.15/10.0

Kerala, India

Aug. 2014 – Apr. 2018

EXPERIENCE

Software Engineer

June 26 2023 – Present

Austin, TX

Apple

- Developed distributed web applications used globally by research teams at Apple.
- Developed specialized expertise in full-cycle database and API design, contributing directly to the **scalability** and **performance** of critical enterprise tools
- Collaborated across cross-functional teams to gather complex requirements, architect solutions and maintain them.

Software Development Intern

May 16 2022 – Aug 12 2022

Paycom

Irving, TX

- Developed a fully functional custom rich text editor with **React** and **Draft.js**.
- Implemented a **PHP** and **SQL** backend leveraging **MVC** Architecture and **SOLID** principles.
- Developed an interview scheduling application using React and **Node.js** that won **first** place at a company wide hackathon event.

Business and Technology Analyst

Oct 15 2018 – July 26 2021

Deloitte

Bengaluru, India

- Worked as a full stack developer on **Angular** and **Java Spring Boot**.
- Developed a Risk Management Workstation to completely digitize the operations of a client in the insurance industry reducing manual work by **60%**
- Delivered **5** critical modules which involved integration of a custom angular application with third party tools.
- Performed complex legacy system upgrades with minimal code and compatibility issues.

PROJECTS

PepEngage | *React, Flask, HTML, D3.js* |

2022

- Built a web application as part of the **HackDFW** hackathon challenge
- Implemented **Data visualization** to derive meaningful insights from **1M+** sales records of PepsiCo products.
- Used Blender to generate 3D Models of products inorder to drive a marketing campaign.

Homes4All-Online Real Estate | *React, Express, Node.js, MongoDB* |

2021

- Developed a **full-stack** real estate web application with Node.js **REST APIs** and React frontend.
- Implemented token-based **Authentication, Authorization** and **CRUD** functionalities.

Automated Attendance using Face Recognition | *Django, Python, OpenCV, SQL, Git* |

2018

- Developed a system to automate the process of capturing and storing the student attendance in a classroom.
- Used **OpenCV** to implement face detection and recognition algorithms in python.

TECHNICAL SKILLS

Languages: Java, JavaScript, PHP, C/C++, C#, SQL, HTML/CSS, Python

Frameworks and Tools: React, Angular, Node.js, Express, CodeIgniter, Django, Material-UI, Spring Boot, Bootstrap, Git

EXTRACURRICULAR

- Member of Association for Computing Machinery (ACM) and Google Developer Student Club at UT Dallas.
- Microsoft Student Ambassador, UT Dallas.