

Akshay Varma Penmatsa

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EDUCATION

The University of Texas at Dallas, Dallas, TX, USA

Aug 2023 – Dec 2024

Master of Science (MS), Information Systems

Coursework: Object Oriented Programming, AWS Cloud Solution Architecture, Database Foundation, Cloud Computing Fundamentals, Applied Machine Learning, Applied Deep Learning, Business Analytics with R, Robotic Automation Processes

The Manipal Institute of Technology, Manipal, Karnataka, India

Aug 2015 – Jul 2020

Bachelor of Technology (BTech), Computer and Communication

Coursework: Data Structures and Algorithms in C++, Object Oriented Programming, Python Programming, Software Design Technology, Parallel Programming, Operating Systems, Database Systems

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, HTML/CSS

Frameworks & Tools: React, Next.js, Selenium, Sass, MySQL, Git, Figma, Jira, Google Analytics, Storybook

Concepts: Agile Methodologies, UI Design, Software Development Lifecycle

WORK EXPERIENCE

FourKites Inc.

Chennai, India

Software Engineer

Dec 2022 – Aug 2023

- Developed features for the redesigned legacy load tracking application and the yard management application.
- Leveraged optimization techniques in React to improve performance resulting in a 15% improvement in page loading time.
- Built and documented over 10 reusable components for the organization's component library in TypeScript.
- Improved code quality by 10% through comprehensive code reviews and unit test implementation.
- Collaborated with UI Designers and QAT testers to drive quality.
- Achieved smooth development process by creating a development roadmap and visualizing it with a Gantt chart.

C Squad LLP

Hyderabad, India

Software Engineer

Mar 2021 – Nov 2022

- Worked on building "Relative" (<https://app.relative.fi/>), learning new technologies like TypeScript (Next.js) and Golang.
- Achieved 20% user engagement boost by developing the quest page for users to complete and earn rewards.
- Drove a 10% increase in overall system responsiveness by implementing protocol buffers in Golang.
- Translated business needs into technical requirements, engaging stakeholders, and delivering value.
- Played a key role in the development of wireframes to ensure user-friendly and engaging interfaces.

Eliptico IT Solutions

Hyderabad, India

Software Engineer

May 2021 – Mar 2022

- Developed responsive features and components in React and troubleshooted to perform fixes, reducing user-reported issues by 10%.
- Amplified database performance by 10% through optimization of SQL queries and streamlining data storage procedures.
- Enhanced the overall performance by 5% by integrating REST APIs.

ACADEMIC PROJECTS

Eco Friendly Car Inventory Application | React | JavaScript | Express.js | Node.js | SQL | MySQL

Aug 2023 – Nov 2023

- Building a car inventory application for the database foundations course to assist users in making eco-conscious decisions.

Campus Parking Application | Java | MySQL | Android Studio

Mar 2019 – June 2019

- Built a mobile app using Android Studio for students and staff to find and book parking spots at Manipal University.

LEADERSHIP/ACTIVITIES

University Toastmasters of Dallas, Officer

Sep 2023 – Present

TechTatva, MIT Manipal, Organizing Committee, Manipal Hackathon

Aug 2016 – Dec 2016

The Mathitis Society, Board Member

Sep 2015 – Sep 2018

ACHIEVEMENTS

- Published 15 articles on the acclaimed GeeksforGeeks website on topics including Software Development methodologies, Data Structures and Algorithms, and Machine Learning.