

Akshay Varma Penmatsa

Dallas, Texas, 75063 | (214) 603 5396 | akshayvarma.penmatsa@utdallas.edu | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

The University of Texas at Dallas

May 2025

Master of Science, Business Analytics

The Manipal Institute of Technology, Karnataka, India

Jul 2020

Bachelor of Science, Computer and Communication

PROFESSIONAL EXPERIENCE

FourKites Inc., Karnataka, India

Dec 2022 – Aug 2023

Software Engineer

- Significantly contributed to the redesign version of the legacy application, decreasing the page loading time by 15% and user error rates by 10% by leveraging code optimizations and implementing lazy loading techniques in React.
- Enhanced the organization's component library by authoring and modifying reusable UI elements, resulting in a 10% reduction in development time and ensuring consistent design across various projects.
- Developed comprehensive unit tests in Jest, ensuring robust code quality and achieving a 95% coverage rate.
- Conducted sharp code reviews, resulting in a decrease in post-release bugs and a 10% improvement in code quality.

C-Squad LLP, Telangana, India

Mar 2022 – Nov 2022

Software Engineer

- Leveraged Next.js capabilities such as dynamic imports, lazy loading, and WebP images to optimize performance, resulting in a 20% reduction in page loading time, effectively increasing user satisfaction and retention.
- Implemented significant features in Typescript and Tailwind CSS and developed the complete quests page for the DeFi website, resulting in an increase of 20% in user engagement and a 10% rise in average session duration.
- Contributed to implementing protocol buffers within services written in Go, to serialize and transmit data between frontend and backend components which led to a 15% increase in overall responsiveness.

Eliptico IT Solutions, Telangana, India

May 2021 – Mar 2022

Front-end Engineer

- Demonstrated expertise in resolving front-end tickets in React.js promptly and effectively, achieving an average ticket closure rate of 95% and contributing to seamless user interactions.
- Proficiently managed SQL queries, optimizing data retrieval and storage processes, leading to a 10% improvement in database performance and response times.

SKILLS

- JavaScript, TypeScript, Java, Python, SQL, HTML, CSS
- React.js, Next.js, Redux, Jest, Tailwind CSS
- Git, Storybook, MySQL, Postman, Figma, Jira, Agile methodologies

ACADEMIC PROJECT EXPERIENCE

LeetCode profile page with live user data

May 2020 – Nov 2020

- Created a responsive website that replicated the LeetCode website user profile page with full functionality of more than 98% of its features using the React.js and various other libraries.

Sentiment analysis on Twitter feeds

Feb 2020 – May 2020

- Extracted real-time tweets and determined their polarity with the comparison of accuracy amongst machine learning algorithms such as SVM, KNN, etc. Highest accuracy of 77.84 percent was achieved on individual tweet classification, and a 95 percent confidence interval was achieved on aggregated sentiment score predictions.

ADDITIONAL INFORMATION

Eligibility: VISA, Eligible to work in the US for internships and full time for up to 36 months without sponsorship.