

# Akshay Varma Penmatsa

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I am a software engineer with an undergraduate degree in computer engineering with a strong foundation in web technologies and a passion for innovation, growth, and learning, making me a perfect fit for the PayPal Software Engineer Intern role in Summer 2024.

## WORK EXPERIENCE

### FourKites Inc. Software Engineer

Chennai, India  
Dec. 2022 – Aug. 2023

- Developed features, unit tests, and conducted code reviews for the redesign version of the legacy application in React.js. Decreased the page loading time by 15% and user errors by 10% by leveraging code optimizations and implementing lazy loading techniques.
- Created, modified, tested, and documented reusable components with attention to detail in the organization's component library.
- Gained expertise in React.js optimization, complex state management, error reduction, efficient component library development, comprehensive testing, and code reviews, resulting in tangible improvements in performance, user experience, and code quality.

**Skills – React, Redux, Ajax, TypeScript, Java, CSS, HTML/DOM, Unit Tests, Jest, Git, Docker, Application Testing, Agile, Scrum, Time Management, Teamwork**

### C Squad LLP Software Engineer

Hyderabad, India  
Mar. 2022 – Nov. 2022

- Leveraged Next.js capabilities such as dynamic imports, lazy loading, and WebP images to optimize performance.
- Designed and iteratively built the quest page creatively, encompassing frontend and backend development using Go, along with protocol buffers integration. This resulted in a 20% increase in user engagement and a 10% rise in average session duration.
- Transforming my skill set, I adeptly gained expertise in Next.js, rapidly acquired new technologies, and seamlessly multitasked. This led to a 20% improvement in performance and a 15% increase in system responsiveness.

**Skills – React, Next.js, JavaScript, Typescript, CSS, TailwindCSS, Go, Protocol Buffers, gRPC, Web Services, Git, Blockchain, Design Thinking, Problem Solving, Adaptability, API Design, Smart Contracts, Solidity**

### Elitptico IT Solutions Software Engineer

Hyderabad, India  
May 2021 – Mar. 2022

- Demonstrated expertise in creating features, and components and resolving front-end tickets in React promptly and effectively.
- Proficiently managed SQL queries, integrated REST APIs, and optimized data retrieval and storage processes, resulting in a 10% improvement in database performance and response times.
- Acquired expertise in React and SQL, while also honing my skills in complex problem-solving and debugging, which translated into a 20% reduction in application error rates.

**Skills – React, JavaScript, HTML/DOM, Java, CSS, Agile, Git, SQL, Spring Boot, REST APIs**

## EDUCATION

### The University of Texas at Dallas M.S. in Business Analytics Coursework – Database Foundation, AWS Cloud solution architecture, Advanced Statistics for Data Science, OOP in Java, Machine Learning, User Experience Design

Richardson, TX  
May 2025

### Manipal Institute of Technology, Manipal B. Tech in Computer and Communication

Coursework – Data Structures and algorithms, C++ Programming, Object Oriented Programming, Advanced Statistics for Data Science, OOP in Java, Machine Learning, Python Programming, Software Design, Parallel programming, Pattern recognition.

Karnataka, India  
June 2020

## PROJECTS

**Leetcode profile page with live user data** | React | Express.js | JavaScript | CSS

May 2020

**Sentiment Analysis on Twitter feeds** | Python | Jupyter | NumPy | Pandas | Scikit Learn

Feb 2020