



# Shravani Potluri

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## EDUCATION

### University of Texas at Arlington

Masters, Computer Science

Jan 2023 - Dec 2024

GPA: 4.0/4.0

### Jawaharlal Nehru Technological University

Bachelor of Engineering, Computer Science

May 2016

GPA: 3.6/4.0

## TECHNICAL SKILLS

- **Programming Languages:** Data Structures Algorithms, C, C++, JavaScript, TypeScript, ES6, JSON, HTML, SQL, NoSQL, Python, Java
- **Frameworks & Libraries:** Angular, ReactJS, Redux, Bootstrap, Tailwind CSS, Material UI, NodeJS, Express, REST, Jest
- **Databases & Cloud:** MySQL, MongoDB, AWS (S3, Lambda, DynamoDB, SNS, SQS, API Gateway)
- **DevOps & Tools:** Docker, CI/CD, Maven, Jenkins, Visual Studio Code, Postman, Git, JIRA
- **Methodologies & Best Practices:** Software Engineering, Web Development, Front-end and Back-end Development, Agile, Performance optimization, Security best practices

## PROFESSIONAL EXPERIENCE

### Sr. Software Engineer | ATMECS Technologies, Hyderabad, IN

Jan 2021 - Mar 2022

Project: Blue Eye | Client: JetBlue Airlines

- Developed responsive single-page applications (SPAs) using **React 17**, **HTML5**, and **Tailwind CSS**. Implemented a component-based architecture to ensure **cross-browser compatibility** and deliver **optimal user experiences**.
- Engineered a scalable backend with **Node.js** and **Express.js**, incorporating RESTful APIs, **MongoDB** integration, and authentication middleware. Leveraged **AWS Lambda** for deployment to enable smooth integration with a **React** frontend.
- Implemented robust state management with **Redux Toolkit**, middleware, and selectors, **reducing** data-related bugs by **35%** and enhancing performance through reactive programming with **React hooks** and **Redux observables**.
- Led and mentored a team of **6** engineers, providing technical guidance through code reviews, pair programming sessions, and knowledge sharing initiatives to accelerate professional development and team productivity.
- Implemented Test-Driven Development (TDD) practices by writing comprehensive unit test suites with the Jest framework, resulting in **90% code coverage** across all components and critical functionality, which significantly **enhanced application stability** and reduced production defects.

### Software Engineer | ATMECS Technologies, Hyderabad, IN

Nov 2019 - Dec 2020

Project: Preference Center | Client: JetBlue Airlines

- Developed a feature-rich Angular 8 web application for JetBlue Airlines, enhancing user profile, travel, and payment management through custom validation and real-time data updates, **improving user satisfaction by 30%**.
- Integrated frontend with backend services, making **asynchronous API calls** to fetch and display JSON data, enabling real-time **DOM** updates and interactive UI features.
- Collaborated across the full software development lifecycle, contributing to requirements gathering, design, development, testing, and the successful deployment of scalable applications.
- Wrote comprehensive unit tests using Jest, achieving over **85% code coverage**, which significantly reduced post deployment defects and **enhanced code reliability**.
- Delivered features ahead of schedule, consistently meeting sprint goals and helping the team achieve a **95% on-time delivery rate** over the course of multiple releases.

### Software Engineer | ATMECS Technologies, Hyderabad, IN

Jan 2018 - Oct 2019

Project: LCC ([training.citrix.com](http://training.citrix.com)) | Client: Citrix

- Analyzed business requirements and collaborated with business analysts to gather functional specifications, contributing to the technical design and delivery of multiple application modules.
- Led the end-to-end migration of a legacy PHP application to a modern AngularJS and Java architecture, successfully transitioning **200,000+** lines of code while maintaining business continuity.
- Developed responsive interfaces using HTML5, CSS3, JavaScript, and AngularJS, implementing **CRUD** operations that improved front-end performance and **decreased** page load times from **3.2s** to **0.9s**.
- Integrated RESTful APIs for seamless data communication between front-end and backend systems.
- **Resolved over 100** production issues in collaboration with QA teams, utilizing debugging tools and root cause analysis to maintain application stability and improve user satisfaction.

## ACADEMIC PROJECTS

### Smart Health Hub

Jan 2024 - Apr 2024

- Engineered a React/Node.js personal health records application for tracking medical data, prescriptions, immunizations, and emergency contacts.
- Developed appointment scheduling system with automated healthcare provider notifications using **AWS SNS** for multi-channel alerts.
- Implemented electronic prescription management portal enabling seamless doctor-patient medication communication, leveraging **AWS SQS** for asynchronous message handling and **Lambda** functions for real-time prescription updates.

### Resume Review Web Application

Aug 2023 - Dec 2023

- Architected a React/Node.js role-based resume feedback platform with **JWT authentication** for job seekers, reviewers, and administrators.
- Developed dynamic document system for resume uploads using **react-pdf-viewer**, **reducing PDF rendering time by 60%**.
- Implemented **AWS API Gateway** for RESTful endpoints and rate limiting, ensuring **secure API management**.