

GOPI KRISHNA KUNCHAM

linkedin.com/in/gopi-krishna-kuncham | gopikrishnak9133@gmail.com | +1(940)843-0650|Denton, Texas

EDUCATION

Master of Science in Computer Science University of North Texas, Denton, Texas	Dec 2025 GPA: 3.9
Bachelor of Technology in Electrical & Electronics Engineering JNTUK University, Kakinada, India	Aug 2021 GPA: 3.8

WORK EXPERIENCE

Software Development Engineer	LTIMindtree, India	Jan 2022 – May 2023
• Engineered and launched multiple web applications using the MERN stack, significantly improving user engagement and load times.		
• Implemented RESTful APIs using Node.js and Express.js , enhancing data retrieval efficiency and reducing server response time.		
• Architected and deployed Android applications using Flutter and Dart , leveraging Firebase for real-time data management, leading to improved user retention rates.		
• Utilized robust version control practices using GitHub , minimizing merge conflicts and improving team collaboration efficiency.		
• Optimized database queries and implemented indexing strategies in MongoDB , resulting in improving query performance and reducing database load.		
• Extensively used JavaScript for front-end development, creating interactive and responsive user interfaces.		
• Designed and deployed responsive and scalable web applications using Angular framework, implementing component-based architecture and services.		
Graduate Teaching Assistant	University of North Texas, Denton	Jan 2025 – Dec 2025
• Assisted professors in delivering undergraduate computer science courses by conducting lab sessions, clarifying concepts, and supporting students with assignments and projects.		
• Evaluated assignments, quizzes, and exams with accuracy and consistency, providing clear feedback that improved student understanding and performance.		
• Mentored students during office hours, resolving technical issues related to programming, debugging, and coursework while reinforcing core CS fundamentals.		

TECHNICAL SKILLS

Programming Languages:	Java, Python, JavaScript
Web Technologies:	HTML5, CSS, JSON
Frameworks/Libraries:	React, Node.js, Express.js, Angular, Spring Boot
Database Management:	MySQL, SQL Server, MongoDB, JDBC
Web Services:	RESTful APIs, JWT Auth
Tools:	Git, GitHub, Postman, Firebase, Maven
IDEs:	Eclipse, Visual Studio, Android Studio, IntelliJ IDEA
Software Methodologies:	Agile, Waterfall
Operating Systems:	Windows, MacOS

ACADEMIC PROJECTS

Job Portal Web Application, University of North Texas

- Led the development of a dynamic job portal platform that facilitates job postings, applications, and user profile management for students and recruiters.
- Implemented core features such as user authentication, job listings, application tracking, and role-based access using Flask and SQLite.
- Integrated a rule-based AI chatbot to assist users with FAQs and navigation within the portal.
- Collaborated with a 4-member team using Agile methodology, sprint planning using Trello.
- **Technologies:** Flask, Python, HTML, CSS, JavaScript, SQLite, Trello

Airlines Reservation System, University of North Texas

- Led the development of a full-stack airline reservation system supporting flight search, seat selection, booking, and role-based workflows for passengers and administrators.
- Built secure backend services using Node.js and Express with JWT authentication, RESTful APIs, and MySQL to manage flights, routes, schedules, pricing tiers, seats, and bookings.
- Designed a normalized relational database with 16+ interlinked tables, foreign keys, and constraints to ensure data integrity across reservations, payments, and seat availability.
- Developed a responsive React frontend with real-time seat status, booking flow, and admin dashboards, integrating backend APIs using Axios and React Query.
- **Technologies:** React, Node.js, Express.js, JavaScript, MySQL, HTML, CSS, Git, VS Code