

RAJEEV THOTA

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B.Tech - Computer Science and Engineering

Indian Institute of Technology, Tirupati

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EDUCATION

Degree	Institute	CGPA/%	Year
B.Tech	Indian Institute of Technology, Tirupati	8.4	2025
Senior Secondary	Sri Chaitanya Jr Kalashala	98.4%	2021
Secondary	Kendriya Vidyalaya	95.6%	2019

EXPERIENCE

- Kalgudi Digital Pvt Ltd** May 2024 - July 2024
SDE Intern Hyderabad
 - Developed app screens using Angular.js
 - Created dynamic UI functionality for customizable form generation, It reduces the time required to create desirable forms.
 - Designed a prototype dashboard for visualizing the company statistics.
- RISHA Lab** Aug 2024 - Present
Research & Development Tirupati
 - Developing a bi-directional traceability framework using LLM and knowledge graph to strengthen trace links between natural language requirements, design, and software artifacts like bug issues and source code.
 - Aiming to ensure consistency and alignment throughout the software lifecycle by integrating diverse artifacts and improving traceability precision. desirable forms.

PROJECTS

- Tool Development - Bug Localization for Java** Github Feb. 2024 - April. 2024
 - Developed a bug localization tool for Java using deep learning and NLP, which automates the detection of buggy files based on bug reports.
 - Analyzes Java source code in AST, CGF, and PDG formats and calculates metric scores to identify the files most likely to contain the reported bug.
 - Significantly reduces time and manual effort of developers spend finding bugs in codebases.
- Web Development - EduVerse** Website | Demo Video | GitHub Oct. 2023 - Dec. 2023
 - Developed EduVerse, an interactive web application that offers immersive 3D learning experiences by integrating 3D models. Increases the student interaction and efficiency of learning.
 - The app provides user-friendly controls for exploring complex topics in a gamified and engaging way.
 - It is designed for school kids and is especially beneficial in rural areas where physical labs are not feasible.
- App Development - FarmConnect** Demo Video | GitHub July. 2023 - Aug. 2023
 - Developed FarmConnect, an app that removes the need for middlemen, making it easier for farmers and customers to connect. Reduces overall cost of the product.
 - Features a user-friendly interface for buying and selling agricultural goods.
- OOPs - ParkingLot** Github Aug. 2022 - Sep. 2022
 - Designed and built a parking lot management system using Java.
 - Applied object-oriented programming principles to manage vehicles and parking spots and other features.

TECHNICAL SKILLS

- Programming Languages** : C++, Python, Java, HTML, CSS, JavaScript
- Frameworks** : React, Angular, Express.js, Node.js, MongoDB, MySQL, Flask, Pytorch, Tensorflow, NLP, LLM, API, Three.js, WebXR
- Operating Systems** : Windows , Linux

KEY COURSES TAKEN

- Computer Science** : Data Structures and Algorithms, Software Engineering, Machine Learning, Artificial Intelligence, Gen AI, Database management, Operating System, Computer Networks

POSITIONS OF RESPONSIBILITY

- Lead Coordinator**, Marketing committee, IIT Tirupati Jan. 2023 - Apr. 2023
- Lead Coordinator**, Events committee, IIT Tirupati Jan. 2022 - Apr. 2022

ACHIEVEMENTS

- JEE** ,Top 1% Nationally with 3139 CRL Rank in JEE Adv and 99.76% percentile in JEE Mains 2021
- MHCET** ,Secured 421 state Rank in Maharashtra engineering entrance exam 2021