

RAJEEV THOTA

B.Tech - Computer Science and Engineering
Indian Institute of Technology(IIT), Tirupati

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Portfolio Web | GitHub | LinkedIn

EDUCATION

Degree	Institute	CGPA/%	Year
B.Tech	Indian Institute of Technology, Tirupati	8.3	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, Tech Used: Angular, AWS, JSON, Looker Studio Hyderabad
 - Developed fully functional & responsive app screens for the app which has 20k+ downloads.
 - Designed a dynamic customizable form generation system, reducing time by 40% to create desirable forms.
 - Collaborated with the Analyst team & created prototype dashboard, improving business decision-making speed.
- RISHA Lab** Aug 2024 - Present
Research & Development, Tech Used: PyTorch, LLM, NLP, KG Tirupati
 - Developing a bi-directional traceability tool using LLM and knowledge graph to strengthen trace links between natural language requirements, design, and software artifacts like bug issues and source code.
 - Reduces time to visualizing the links between different software artifacts in whole software lifecycle.

PROJECTS

- Bug Localization Tool** Feb. 2024 - April. 2024
Technology Used: PyTorch, NLP, Deep Learning, Neural Networks, Tensorflow Github
 - Developed a transformer-based deep learning model that automates bug localization by analyzing bug reports and source code files, identifying and ranking the top 10 files most likely to contain the bug.
 - Enhanced accuracy and precision scores using different source code (AST, PDG, CFG) combinations.
 - Significantly reduces time by 30% and manual effort of developers spend finding bugs in codebases.
- EduVerse 3D Website** Oct. 2023 - Dec. 2023
Technology Used: React-three-fibre, Three.js, JWT, Socket.io, MERN Stack Website | Demo Video | Github
 - Developed EduVerse, an scalable interactive web application that offers immersive 3D learning experiences by integrating 3D models. It increases student interaction and efficiency of learning.
 - Implemented secure authentication, AI bot & real-time chat system allowing students to connect globally with subject experts and resolve their doubts.
- College Apointment System - API** Dec. 2024 - Jan. 2025
Technology Used: Flask (Python), MySQL, JWT Tokens, Postman Link
 - Developed a college appointment system with APIs, between professors and students.
 - Developed 8 API endpoints, JWT authorization, Integrated with MySQL database.
- OOPs - ParkingLot** Aug. 2022 - Sep. 2022
Technology Used: Java, OOPS Github
 - 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

C++, Python, SQL, Java, HTML, CSS, JavaScript, React, Angular, Express, MERN Stack, Node.js, MySQL, Flask, NLP, RestAPI, Git, Looker Studio, VS Code, Word, PowerPoint, Linux, Collaborative, Communication, Analysis, Critical Thinking

KEY COURSES TAKEN

- Courses** :Data Structures and Algorithms, Software Engineering, Database management, Machine Learning, Artificial Intelligence, Operating System, Computer Networks, Basic Calculus

POSITIONS OF RESPONSIBILITY

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

ACHIEVEMENTS

- Top 1% Nationally with **3139** CRL Rank in JEE Adv and **99.76%** percentile in JEE Mains 2021
- Secured **421** state Rank in Maharashtra engineering entrance exam 2021
- LeetCode: Solved 560+ DSA Problems.