

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	8.4	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, Tech Used: Angular, AWS, JSON, Looker Studio Hyderabad
 - Developed app screens using Angular.js
 - Developed dynamic UI functionality for customizable forms, reducing the time required to create desirable forms.
 - Designed a prototype dashboard for visualizing the company statistics.
- 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 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 interactive web application that offers immersive 3D learning experiences by integrating 3D models. It increases student interaction and efficiency of learning.
 - Implemented secure user authentication and a chat system with group and personal chat features, allowing students to connect with subject experts and clear their doubts.
- College Apointment System - API** Nov. 2023 - Dec. 2023
Technology Used: Flask (Python), MySQL, JWT Tokens, Postman Github
 - Developed a college appointment system backend with APIs, between professors and students.
 - Developed 8 API endpoints, JWT authorization, Integrated with MySQL database.
- FarmConnect App** July. 2023 - Aug. 2023
Technology Used: Java, Android Studio, Firebase, OpenAI API Demo Video | GitHub
 - Developed farmer-buyer marketplace app that removes the need for middlemen, Reduces overall cost of the product.
 - Designed a multilingual AI chatbot using the OpenAI API, location & category selection features to display targeted product searches across five categories. Integrated it with Firebase to manage profiles and product listings.

TECHNICAL SKILLS

- Programming Languages** : C++, Python, Java, HTML, CSS, JavaScript, SQL
- Frameworks/Software** : React, Angular, Express.js, AWS, Node.js, MongoDB, MySQL, Flask, Pytorch, Tensorflow, NLP, LLM, API, Git, VS Codew
- 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

- 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
- Contest ranking of 1600 in [leetcode](#) coding platform