



# M. Rohith Venkat

BTech

Computer Science Engineering

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[Github](#)

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	Indian Institute of Technology, Tirupati	7.55	2023-2027
Senior Secondary	State Board	97.6%	2023
Secondary	The Board of Intermediate Education	99.9%	2021

## PROJECTS

### • Forest Fox Adventures

*2D platformer game developed using Unity game engine*

[Github](#)

- **Tools & technologies used:** Unity, C#, Adobe Illustrator
- Designed and implemented character mechanics, level design, and game physics
- Created a unique game environment with platforming challenges and character progression

### • chromeX - Chrome Extension

*Comprehensive accessibility tool for differently abled web users with cyberpunk aesthetic*

[Github](#)

- **Tools & technologies used:** JavaScript, HTML, CSS, Chrome Extension API, Speech Recognition API
- Developed voice-controlled navigation system with commands for generating UML diagrams, composing emails, and accessing speech-to-text features
- Implemented advanced UML diagram generator for software architecture visualization with multiple theme options
- Created dedicated Voice Assist interface allowing users to interact with web content through voice commands
- Designed intuitive keyboard shortcuts system for efficient navigation and accessibility features activation

### • Online Exam Conducting System

*Platform designed to make online examinations accessible in rural areas*

[Github](#)

- **Tools & technologies used:** Java JDK, NetBeans, MySQL
- Built separate modules for students and teachers with distinct access privileges
- Optimized for low-bandwidth environments to ensure accessibility in rural areas

### • Online Voting Portal App

*Secure voting application ensuring fair and private election processes*

[Github](#)

- **Tools & technologies used:** Kotlin, XML, Firebase
- Implemented anonymity features allowing users to select representatives privately
- Balanced time and cost efficiency to ensure equitable election experiences

### • Food Path

*Health awareness application visualizing food impact on human organs*

[Github](#)

- **Tools & technologies used:** React.js, ExpressJS, CSS, NodeJS, JavaScript
- Developed 2D models simulating effects of different food types on body organs
- Created interactive visualizations showing long-term health impacts of eating habits

## TECHNICAL SKILLS

- **Programming:** C/C++, Python, Java, JavaScript
- **Tools & OS:** Git, Jupyter Notebook, Google Colab, Linux, Windows
- **Web Skills:** HTML/CSS/JS, ReactJS/NextJS

## KEY COURSES TAKEN

- Data Structure, Algorithms, Artificial Intelligence