

Akkala Harish Goud

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Bachelor of Technology

Indian Institute of Information Technology Guwahati

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🐙 GitHub | 🔗 LinkedIn

🌐 Portfolio

EXPERIENCE

• Associate Systems Engineer

Aug 2024 - Present

Tata Consultancy Services

- Collaborated with 2 internal QA teams and the AI research division to test Microsoft Copilot's integration with MS PowerPoint, enhancing AI-driven productivity features.
- Constructed and executed 50+ structured test cases to evaluate Copilot's real-time slide generation and contextual recommendations, reducing feature-related bugs by 30% during pilot testing.
- Documented and reported 15+ UX and performance issues, including latency delays and semantic mismatches, directly influencing major improvements in Copilot's AI model behavior.

• Full Stack Web Developer Intern

Nov 2023 - June 2024

Trusty Money

- Developed key application features using the MERN stack, including OTP services, email services, and a transaction dashboard with an admin panel.
- Improved backend API response times and frontend rendering, enhancing website performance by 40% through code refactoring and caching strategies.
- Collaborated with cross-functional teams to implement CI/CD pipelines and automate build processes using Docker, Azure Pipelines, and GitHub Actions.
- Wrote unit and integration tests using Jest and React Testing Library, improving code coverage and reducing bugs by 35%.

EDUCATION

• Bachelor of Technology in Electronics and Communications Engineering

2020-2024

Indian Institute of Information Technology Guwahati

CGPA: 7.7

PERSONAL PROJECTS

• AI-Powered Conversational Chatbot

A context-aware chatbot for human-like interactions

- Built an AI chatbot using transformer-based models, enabling human-like conversations with contextual understanding.
- Integrated Gemini-1.5-flash API for advanced text generation and implemented custom logic for session management.
- Designed and programmed a RESTful Express backend and a React-based frontend for smooth user authentication and interaction.
- Technologies Used: React JS, Express JS, MongoDB, Gemini API, Material UI.

• Real-Time Weather App with Current Location

An application for real-time weather

- Developed a React-based web application that dynamically updates based on real-time weather data.
- Integrated Geolocation and OpenWeatherMap APIs for location retrieval and real-time weather information.
- Technologies Used: ReactJS, SaSS, NodeJS.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, JavaScript, HTML, CSS, SCSS, Java

Libraries/Frameworks : C++ STL, ReactJS, ExpressJS

Web Dev Tools: NodeJS, VS code, Git, GitHub

Cloud/DevOps: Azure, DevOps, Docker, Kubernetes, Nginx

Databases: MongoDB, Relational Database (MySQL).

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming

Areas of Interest: Web Design and Development, Cloud-Based Application Deployment

POSITIONS OF RESPONSIBILITY

• Web and Creatives core team member Annual Cultural and Technical Fests of IIITG Jan - March 2023

- Planned and managed a responsive live web page for the cultural fest, resulting in a 50% increase in event registrations.

• Student member of Departmental Undergraduate Programme Committee - ECE Aug 2022 - Aug 2023

- Oversaw the academic conduct of all undergraduate courses in the ECE department, ensuring compliance with university ordinances.

CERTIFICATIONS

• Introduction to Containers w/ Docker, Kubernetes & OpenShift Authorized by IBM