

Nagendra Kumar Gubbala

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About Me

I'm a Full-Stack Developer skilled in building scalable web apps with **React, Flask, Firebase**, and **cloud services** like **AWS** and **Azure**. Passionate about **AI/ML**, I deliver **high-performance, user-centric solutions** and integrate **RESTful APIs** while focusing on efficiency and security.

Education

| Degree | Specialization | Institute | Year | CPI |
|---------|----------------------|-----------------|--------------|------|
| B.Tech | CSE(AI & DS) | BVCE | 2023-Present | 7.72 |
| Diploma | Computer Engineering | BVCITS | 2020-2023 | 7.38 |
| SSC | - | ZPP High School | 2020 | 9.8 |

Experience

R&D Intern, Edgex – Hyderabad Dec 2022 – Apr 2023

- Developed a product code for an **automatic hand sanitizer** using **Arduino**, focusing on IoT integration for automation.
- Gained hands-on experience in **IoT technologies** and contributed to the development of functional prototypes for smart devices.

Machine Learning Intern, IBM May 2024 – June 2024

- Worked on a Natural Language Processing (NLP) **sentiment analysis** project to classify and analyze sentiments from text data.
- Gained hands-on experience with machine learning algorithms, data pre-processing, and model evaluation techniques.

Projects

Gender Prediction System

- Designed and developed a web application for gender prediction, processing user inputs with an accuracy rate of 89%.
- Integrated **Firebase authentication** for secure login and user data management.
- Implemented **Flask-based** backend and **MongoDB** database, supporting 1,000+ predictions per month.
- Deployed on **Vercel & Azure** with **CI/CD** pipelines, reducing deployment time by 40%.
- Technologies:** React, Flask, Firebase, MongoDB, Machine Learning (ML)

Payroll Management System

- Developed a Payroll Management System that was selected at the district level and advanced to the state level in **Andhra Pradesh TechFest 2022**.
- Implemented salary calculations, deductions, and pay slip generation, with secure authentication and an intuitive interface.
- Streamlined payroll operations, improving report generation time by 30%.
- Technologies:** HTML, CSS, JavaScript, PHP, MySQL

Technologies & Skills

Languages: Java, Python, SQL, JavaScript (Basics)

Technologies: HTML, CSS, React, Flask, Firebase, AWS, MongoDB, Git, GitHub, CI/CD.