

Rakesh Chippa

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[GitHub](#) / [LinkedIn](#)

Career Objective:

More passionate to design highly scalable applications for an esteemed organisation, which would be rewarding in terms of learning experience and contribute to the organisation and personal growth.

Professional Experience:

- Experience in client-side technologies such as **React, HTML, CSS, JavaScript**, and **TypeScript**.
- Experienced in **React, Angular17, Node.js, Express.js, MySQL, MongoDB, Python, C** and **Java**.
- Skilled in **MERN & MEAN Stack development** with expertise in building dynamic web applications and server-side scripting **Angular, ReactJs**, and **NodeJs**.
- Hands-on working experience with **MySQL** and **MongoDB** Databases.
- Hands-on experience in using **Dockers** to build and run applications
- Hands-on working experience in using **handsontable** to bring the well-known look and feel of spreadsheets to the application.
- Implemented **CI/CD** integration for repositories.
- Experienced with **AWS** services, Deployed applications on **AWS EC2 instances** to run them in the public cloud

Working History (Internship):

- Currently working as a **Full Stack Developer** at **Ripple Effect Learning Solutions Private Limited("theIAshub")**.
- Worked as an **Android Developer** at **EduSkills**.

Technical skills:

- **Programming Language:** JavaScript, Python, C, C++, Java.
- **Web Technologies:** HTML, CSS, Angular, React, Node.js.
- **Databases:** MySQL, MongoDB, Redis.
- **Development tools:** Eclipse IDE, VS code.

Academic Qualification:

Year	Degree / Examination	Institute	Percentage
2020-24	Bachelor of Technology	St. Peter's Engineering College, Hyderabad	8.3(CGPA)
2018-20	Board of Intermediate	Padma Sri Junior College, Sircilla	75.6%
2017-18	Secondary School	Zilla Parishad High School, Sircilla	8.3 (GPA)

Project Experience:

1. IAS Hub Exam

Client: Ripple Effect Learning Solutions Private Limited("theIAShub")

Technologies: Angular, Node.js, MongoDB, OpenAI (GPT-3.5-turbo), Azure OCR.

Description: IAS exam paper correction with our online mode. Simply upload your answer paper for a specific question, and our system, powered by Azure OCR technology, extracts the text from the paper. Receive personalized suggestions for score improvement through the insightful analysis provided by OpenAI's GPT-3.5 Turbo. Elevate your performance with our user-friendly.

Responsibilities:

- Developed full stack application using **Angular** for the frontend and **Node.js** for the backend, **MongoDB** for the database, leveraging modern JavaScript frameworks to deliver responsive and interactive user interfaces.
- Implemented **RESTful** services, designing, and deploying HTTP request endpoints to enable seamless communication between client-side and server-side components.
- Implemented **Azure OCR** to extract the text from the paper.
- Implemented **OpenAI (GPT-3.5-turbo)** for analysis and suggestions to improve marks
- To run applications on the public cloud, deployed in **AWS EC2 instance**

Link: <https://ayuconsultancy.com/>

2. Railway Lumding Division

Client: Indian Railways Government of India

Technologies: Angular 17, Node.js, Express, MongoDB.

Description: The Railway Lumding Division project utilizes Angular 17, Node.js, and MongoDB to create an advanced system for streamlined railway management. With features such as optimized scheduling, resource management, and real-time analytics, the platform enhances operational efficiency, maintenance tracking, and robust security measures contributing to a comprehensive solution. Mobile accessibility ensures on-the-go connectivity, and scalability supports future expansions.

Responsibilities:

- Developed a full-stack application utilizing **Angular** for the frontend and **Node.js** for the backend, **MongoDB** for the database, and delivered responsive and interactive user interfaces.
- designed and deployed HTTP request endpoints to implement **RESTful** services, enabling seamless communication between client-side and server-side components
- Implemented **Handsonable** to bring the well-known look and feel of spreadsheets to the application
- Deployed applications on **AWS EC2 instances** to run them in the public cloud

Link: <https://blocks.raillmg.in>

3. Prediction of Soil fertility using Naïve Bayes

Technologies: Angular, Node.js, Python.

Description: This project addresses global food security by enhancing soil fertility and promoting eco-friendliness through reduced chemical use. It focuses on building a predictive soil fertility model using the Naïve Bayes algorithm. Soil data collected in datasheets is processed and compared to a standard dataset for fertility assessment. Soil fertility is classified as fertile or infertile based on data accuracy. The project's goal is to predict soil fertility classes, contributing to sustainable agriculture.

Responsibilities:

- Developed full stack application using **Angular** for the frontend, **Node.js** for the backend and **Python** for classification and prediction.
- Implemented **Naïve Bayes algorithm** to classify the dataset and predict the percentage of soil fertility.
- designed and deployed HTTP request endpoints to implement **RESTful** services, ensuring seamless communication between client-side and server-side components.

Link: <https://soil-fertility.onrender.com>

Certificates:

- Certificate of internship in **AICTE-EduSkills**
- Certified in **Data Science & Machine Learning** through Python.
- Engaged in online programming competitions and successfully tackled over **100** challenges on **LeetCode and Hackerrank**.
- Certified in **Angular, React** and **MongoDB** courses through **Coursera**.
- Certified in online programming contests in **SoloLearn**.
- Certified in online programming contests in **Hackerrank**.

Link: https://drive.google.com/drive/folders/13_Cp_6unr5WmEUFrgd18_ly584Suvvge?usp=sharing

Contact Information:

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Languages	: English, Telugu, Hindi

Declaration

I am very much interested in associating with your esteemed organisation. I hereby declare that the information furnished above is true to the best of my knowledge.