Koundinya Gangadharuni

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# OBJECTIVE

# Seeking a Frontend Developer position with a focus on the MERN stack, where I can apply my expertise in HTML, CSS, JavaScript, React.js, and Node.js, complemented by experience with MongoDB. I am enthusiastic about leveraging my technical skills and creativity to contribute effectively in a collaborative team environment.

# KEY SKILLS AND TOOLS

Frontend: HTML 5/CSS, Tailwind CSS, Bootstrap, Material UI, React JS, React redux, Next JS.

Backend: NodeJS, Express JS.

Database: MongoDB.

Cloud Services: AWS S3, AWS VPC, AWS Load Balancing, Azure Blob Storage, AWS Amplify.

DevOps: Docker, Kubernetes, Ansible

AI Tools: Chat GPT, Google Gemini.

ML Tools: Tensor Flow.

Project Management: JIRA, Trello.

# WORK EXPERIENCE

Quality Engineer (Feb 2022 – Mar 2023)

*Company: AMD India Pvt Ltd under Payroll of CIEL HR Services*

* Setting up the test system as per the test case requirement.
* Installing the builds and logging the JIRA tickets.
* Performing the Regression testing
* Upgrading the Operating System (OS).
* Worked on Windows 10, Windows 11, Windows 11 SV2, Ubuntu 22.04, RHEL 18.6, RHEL 19 Operating Systems.
* Worked on OpenGL and Direct X API.
* Logged critical bugs which leads to improve the performance in the FPS of the driver to 90%.
* Logged 50 critical bugs to improve the quality of the Graphics Driver.

# ACADEMIC PROJECTS

**Project Title:** (July 2021 – July 2022)

Parametric study of Unitcell dimensions of honeycomb structures made of TPU Material.

* Designed and developed the Honeycomb structures fabricated using Fused Deposition Modeling (FDM) made of TPU Material.
* Implemented Tauguchi Approach for the selection of parameters to study the experiments
* Fabricated 9 specimens which represents 108 experiments using Design of Experiments (DOE).
* Stratasys 3D Printer is utilized for printing the specimen and printing method implemented is Fused Deposition Modelling(FDM) technique.
* The parameters of unitcell selected for design of experiments are unitcell length, unitcell width, unitcell height, unitcell angle(Ө).
* The final results shows that, the optimal values exists at elevation of 45º, 6mm width, 4mm length.

# TRAINIGS

* Attended MERN Stack bootcamp training from Acciojob. (Apr 2023 – Present)

# PERSONAL PROJECTS

**Project Title**: Image Processing powered by Gemini AI

**Description:** Developed and deployed a Full Stack application which converts the image drawn using the canvas HTML, AI will convert this into equation and process the computation and generate the result. Render the result in the HTML.

**Technologies Used**: Gemini AI, React JS, Python, Tailwind CSS, Shad-CN, Typescript, Canvas, Python canvas, AWS, Vercel.

**Key Contributions:**

* Developed an UI for the AI Powered Visual App from scratch.
* Integrated Gemini AI APIs to deliver real-time data processing and intelligent features.
* Created reusable React components, enhancing code maintainability and scalability.
* Employed techniques like lazy loading and memorization to boost application performance and reduce load times
* Developed backend logic to interface with Gemini AI APIs, enabling real-time data processing and feature enrichment.
* Implemented secure authentication and authorization mechanisms using JWT or OAuth.
* Deployed application on Cloud Platform(AWS and Vercel), managing environment configurations and scaling.

**GitHub Repository:** [**https://github.com/Koundu/visualCalculator**](https://github.com/Koundu/visualCalculator)

**Project Title**: Weather Predictor

**Description:** Developed a web-application for presenting and forecasting the weather data up to daily and hourly accuracy.

**Technologies Used**: HTML, CSS, JavaScript, React JS.

**Achievements:**

* Developed clean UI for rendering the data from Open Weather API.
* Implemented the Tailwind CSS for improving the styling of the UI.
* Deployed in GitHub pages to improve the availability.

**GitHub Repository:** [**https://github.com/Koundu/React-Weather-App-2024**](https://github.com/Koundu/React-Weather-App-2024)

**Project Title**: Personalized Podcast Application

**Description:** Developed a full stack application using the React as frontend framework, and firebase for authentication. developed the application from scratch, implemented the redux for state management, displaying the available podcasts, display the podcasts as per the user logged-in.

**Technologies Used**: HTML, CSS, JavaScript, React JS, React redux, firebase for authentication.

**Achievements:**

* Implemented firebase for authentication which results in increase in response from backend server by 30%.
* Implemented responsiveness for utilizing in various screen resolutions.
* Updating the state using the react redux for state management.
* Deployed in GitHub pages to improve the availability.

# GitHub Repository: <https://github.com/Koundu/podcast-react>

# EDUCATION

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Course** | **Details of Institution** | **Passed out Year** | **Percentage** |
| 1 | Master of Technology(M.Tech) | JNTUA College of Engineering Anantapur(JNTUA) | 2022 | 73.5% |

# CERTIFICATIONS

* AWS Solutions Architect Associate from **Intellipaat**.
* Frontend UI Developer from Acciojob Pvt Ltd.

# ACHIEVEMENTS/AWARDS

# Completed 294 days of coding challenge by solving 750 coding questions in Acciojob portal.

# Attended Google Cloud Technical Series on Open-Source AI tool called as Gemini.

* Attended Google Cloud Security Summit.
* Attended AWS Awesome day Online Conference.
* Qualified TCS NQT May 2024 with a Cognitive Score of 76% and Programing Score of 77%.