HALASWAMY-G

Full Stack Developer

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🔗 https://halaswamy-portfolio.netlify.app

in linkedin.com/in/halaswamy-g-0b3a11257

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🎓 EDUCATION

Bachelor of Engineering
Jain Institute of Technology
10/2021 – 05/2024
Stream : Computer Science & Engineering

📁 PROJECTS

EEG analytical model to estimate learner's understanding level
Innovative Educational Approach for Assessing Comprehension and Engagement
01/2024 – 05/2024

- Developed a pioneering analytical model utilizing **machine learning** and **EEG data** to assess learners' comprehension and engagement levels.

- This project involved designing a feature extraction model and applying classifiers such as **Random Forest, K-Nearest Neighbors** and **Support Vector Machine** to analyze brainwave data, offering insights into students' understanding.

- The outcomes demonstrated enhanced accuracy in predicting learner engagement, with potential applications in personalized education and adaptive learning technologies.

Google Form Recreation ⧉
Web-Based Form Application Using MERN Stack

Developed a web application inspired by Google Forms, utilizing the **MERN stack (MongoDB, Express.js, React.js, Node.js)** to recreate core functionalities such as form creation, submission, and data storage.

This project featured

- **Frontend**: Designed with React and Tailwind CSS to create dynamic and responsive form layouts.

- **Backend**: Node.js and Express.js handled server operations, including form data processing and validation.

- **Database**: MongoDB for storing form responses and user-generated content

🧠 TECHNICAL SKILLS

- **Python:** I intend to leverage my Python skills for data analysis and machine learning projects, particularly focusing on applications that can enhance learning experiences in educational settings.

👤 PROFILE

Enthusiastic **Computer Science Engineering graduate** proficient in **Python** and **Java**, possessing practical experience in **full-stack web development** including HTML5, CSS3, JavaScript, and React. Familiar with **backend development** through Node.js and skilled in database management using MySQL and MongoDB, while actively learning the **MERN stack** for web application creation. Capable of employing **Design Thinking principles** for innovative problem-solving, experienced in project management with **Jira** and Agile methodologies, and knowledgeable about **Industry 4.0** technologies, ready to make impactful contributions in a **collaborative tech environment**.

📚 COURSES

Python For Data Science ⧉
SWAYAM-NPTEL

MERN Stack Developer
Cuvette
03/2024 – Inprogress

Become A certified Web Developer From Scratch
Upskill with Eduonix

- **Java:** My experience in Java empowers me to develop robust Android applications, and I aim to participate in coding competitions to showcase these applications.

- **Frontend Technologies (HTML5, CSS3, JavaScript, React):** I plan to utilize these technologies to create user-friendly and visually appealing web applications that not only enhance my portfolio but also improve user engagement.

- **MERN Stack:** I aspire to build comprehensive applications such as job portals or social networking sites using the MERN stack, demonstrating my full-stack development capabilities in real-world scenarios.

- **API Development:** By designing and developing RESTful APIs, I can showcase my backend development skills and facilitate seamless integration between different components of my projects.

- **Database Management (MongoDB and MySQL):** I will efficiently manage application data using MongoDB and MySQL, focusing on creating scalable databases that ensure data integrity and security.

- **Git:** Utilizing Git for version control is crucial for collaboration in team projects, allowing for smooth tracking of changes and management of different project versions.

- **Deployment Platforms (AWS, Netlify, Render):** I plan to deploy my applications on platforms like AWS, Netlify, and Render to demonstrate their functionality in real-world environments and enhance my experience with cloud services.

- **Jira:** I intend to use Jira for effective task management, enabling me to organize project workflows efficiently while showcasing my ability to meet deadlines and manage responsibilities.

- **Agile and Scrum Methodologies:** Applying Agile and Scrum methodologies will enhance teamwork and productivity in projects, demonstrating my leadership skills and commitment to iterative development processes.

- **Industry 4.0 Awareness:** I am committed to staying informed about Industry 4.0 trends and technological advancements, allowing me to contribute valuable insights during discussions at tech conferences and interviews

💼 PROFESSIONAL EXPERIENCE

Nexgate Pioneer Solutions Pvt. Ltd ↗
Android Developer Intern
08/2024 – 09/2024

- Designed and developed an Android app for a drone services startup supporting local farmers, enhancing accessibility and usability.
- Collaborated in a team of 4 using **Scrum methodologies** to ensure iterative development and improve communication.
- Applied **Design Thinking** principles to create user-centered onboarding interfaces, optimizing customer and stakeholder interactions.
- Utilized **Android Studio**, **Jira**, and **Firebase** for product development and database maintenance.

🏅 AWARDS

Secured KSCST Sponsorship
Successfully obtained sponsorship for a project from KSCST (Karnataka State Council for Science and Technology).

P-Expo Winners
Recognized as winners at the P-Expo, showcasing exceptional project presentation and innovation

Leadership Role
Demonstrated a strong track record of leadership as a Cultural and Forum Coordinator, effectively steering initiatives that fostered collaboration among peers.

Recognition in Manthan FKCCI
Achieved recognition by qualifying for the Top 75 teams in the Manthan FKCCI (Federation of Karnataka Chambers of Commerce and Industry) competition.

Intercollege Contests
1st place in intercollege **technical paper** presentation and idea presentation contests, earning multiple awards for outstanding presentations and innovative ideas.
Summary