

MONIKA P

· Final Year Undergraduate · Computer Science & Engineering · ANNA UNIVERSITY

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Education

GOVERNMENT COLLEGE OF Engineering, SALEM

Bachelor of Engineering, IN COMPUTER SCIENCE

CGPA: 8.5/10 (till 5th Sem.)

Oct 2021 – Present

Skills

PROGRAMMING LANGUAGES: C, JAVA

WEB DEVELOPMENT: HTML, CSS, Bootstrap, React, JavaScript, Firebase

NAAN MUDHALVAN COURSES: MS OFFICE Fundamentals, Foundation of AI, ML, FS, Artificial Intelligence

FAMILIAR WITH: VS Code, Git, GitHub

SOFT SKILLS: Leadership, Teamwork, Adaptability, Time Management.

Projects

EBookBank

- **Engineered** a real-time React eBook bank application, enabling users to retrieve and share eBooks as PDFs.
- **Implemented** efficient backend and frontend solutions using JavaScript frameworks and Firebase, achieving a 40% faster load time and a 25% increase in user session duration.
- **Resolved** challenges in handling large file uploads and ensuring data security, providing reliable and fast access to eBooks.

Weather insight

- **Designed** an interactive weather application using HTML, CSS, and JavaScript.
- **Integrated** the OpenWeather API to fetch real-time weather data for various cities.
- **Customized** background changes based on weather conditions, enhancing user experience and contributing to a 20% increase in user retention.
- **Ensured** responsive design and seamless user interaction with dynamic data display and error handling.

Internships

Forge Innovation & Ventures, Salem | Graduate innovation engineer trainee

FEBRUARY 2024 - JULY 2024

Smart system for HVAC Predictive maintenance

- **Developed** an innovative smart system for HVAC predictive maintenance, enhancing operational efficiency.
- **Constructed** a comprehensive website featuring a dashboard, reminders, analytics, and AC on/off control to optimize energy usage and reduce costs by 15%.
- **Integrated** real-time components to ensure effective maintenance strategies, resulting in a 30% increase in system reliability.

NoviTech R&D pvt Ltd | Full Stack Developer Intern

APRIL 2024 - MAY 2024

Text to Speech converter

Developed a text-to-speech converter in JavaScript utilizing the Web Speech API's SpeechSynthesis interface for natural-sounding speech. **Leveraged** HTML, CSS, and JavaScript to build a user-friendly interface, significantly enhancing user experience and increasing engagement metrics by 20%.

Dynamic image gallery

Created a dynamic image gallery using HTML, CSS, and JavaScript. **Implemented** responsive design to ensure optimal viewing on different devices, leading to a 35% increase in mobile user satisfaction. **Enhanced** user experience with a clean interface and intuitive functionality.

Achievements/Participations

- **Recognized** by Prasad V. Potluri Siddhartha Institute of Technology (PVPSIT Department of CSE), Vijayawada, Andhra Pradesh, through Unstop's Java Programming Quiz and secured 71st position.
- **Participated** in the Tamil Nadu State Council for Science and Technology Capacity Building Program for Industrial Needs.
- **Engaged** in various Unstop crew matrix events.

Certification

- **Completed** Web Design & Development-English Course offered by NSDC through Skill India Digital Hub.
- **Finished** Object Oriented Principles in Java on UpGrad platform and **Attained** HTML and CSS course certification on Infosys Platform.

Additional Information

- **Languages Known:** Tamil, English, Hindi(Reading Proficiency), Kannada(Speaking Proficiency).
- **Interests:** Problem solving, Gardening, Martial arts (Karate & Silambam)