BHAVANI AMBROSE

FRONT-END DEVELOPER

Ampang, Selangor │ bhavaniambrose2199@gmail.com │ www.linkedin.com/in/bhavani-ambrose

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SUMMARY

Mechatronic Engineering graduate with a strong passion for Front-End Development and creating user-focused digital experiences. Through the **Meta Front-End Developer Certificate**, I've completed courses in **HTML, CSS, JavaScript, version control with Git, React** and responsive design. I enjoy building clean, user-focused web interfaces and am currently working on real-world projects to strengthen my portfolio. My background in engineering has shaped me into a strong problem solver, detail-oriented thinker, and a team player who communicates clearly across technical and non-technical teams.

PROFESSIONAL EXPERIENCE

APPRAISAL PROPERTY MANAGEMENT (JLL)   Oct 2022 - May 2025
Facility Mechanical Engineer, HVAC & OFA System

- Identify, prepare, prioritize, and implement capital projects to enhance facility efficiency and performance
- Assist in coordinating testing and commissioning activities to ensure seamless integration of new systems
- Troubleshoot operational issues with HVAC and OFA systems, providing timely resolutions
- Offer day-to-day support for operational and maintenance challenges on-site
- Maintain a comprehensive record of project statuses, scheduling necessary downtime for emergency repairs
- Provide technical and informational support to customers and internal departments regarding ongoing and upcoming projects
- Review operations and maintenance procedures with the team, for system upkeep
- Liaise with contractors and outsourced partners to execute routine preventive maintenance tasks, minimizing disruptions to system operations
- Implement and adhere to Fatality Prevention F5 program guidelines in workspaces and processes, prioritizing efficiency and safety
- Oversee the efficient operation of plant infrastructures, including mechanical, HVAC, chilled water, heating, oil-free air, and process cooling systems

MICRON MEMORY MALAYSIA SDN. BHD   Aug 2021 - Oct 2021
MMP CAT Assembly Equipment Engineering, Internship

- Enhanced troubleshooting efficiency by implementing out-of-control action plans, reducing machine downtime by 15%
- Observed and learned the process of converting die attach machines, assisting technicians during conversions, and analyzing conversion durations to identify areas for improvement
- Configured network settings in the wire bond area, including the activation of Micron networks and setting up static IP addresses for new machines
- Initiated request tickets to the IT department for Micron network activation and static IP configuration
- Spearheaded the update of machine network information, improving accuracy by maintaining a 100% error-free database

PROFFESIONAL PROJECTS

Improvement Project: Cooling Tower Replacement Project
- Developed a detailed project plan, including scope, schedule, budget ensuring compliance with industry standards and client specifications.
- Completed installation of new cooling tower on schedule and within budget, resulted in 10% reduction in energy consumption and improved overall system redundancy.

Proactive Troubleshooting System
- Consistently troubleshoot and resolve daily operational issues, minimizing downtime and maximizing customer satisfactions.
- Proactively identified based on alarms and parameter's trending of the system.
- Successfully resolved critical system failure by finding the root cause followed by having a mitigation plan and coordinating the replacement of the faulty component within the timeframe.

Shutdown Activities
- Planned and coordinated plant shutdowns, effectively delegating tasks to teams and ensuring all activities were completed on scheduled.
- Successfully executed system shutdowns and startups with timelines, ensuring stable system performance upon handover to customers.

Internship Project – Die Attach Conversion Time Study (Aug 2021 – Oct 2021)
- Conducted experimental studies to analyze the time required for each step-in die attach conversion for different recipes.
- Assisted technicians during conversions, reviewed conversion durations, and identified root causes for discrepancies in target times.

TECH PROJECTS

Portfolio Website

Tech Stack: **HTML, CSS, JavaScript, React, Tailwind CSS, GitHub , Netlify**
- Designed and built a fully responsive personal portfolio website to showcase front-end projects and skills.
- Developed reusable components using React and styled with Tailwind CSS for a clean, modern UI.
- Implemented smooth navigation and interactive elements to improve user experience.
- Deployed the site using Netlify, enabling continuous deployment from GitHub.

https://bhavaniportfolio-website.netlify.app/ | https://github.com/bhavani2199/bhavani-portfolio.git

Netflix Clone

Tech Stack: **React, JavaScript, CSS, GitHub, TMDB API, Netlify**
- Developed a responsive Netflix-style streaming platform using React and CSS Grid/Flexbox, replicating real-world UI.
- Integrated TMDB API to fetch dynamic movie and TV show data.
- Enabled responsive design with mobile-first approach.
- Deployed the application on Netlify for live access.
  https://shiny-liger-2cb658.netlify.app/ | https://github.com/bhavani2199/Netflix-clone.git

SKILLS

HTML5	React.js	Tailwind CSS
CSS3	React Router	Responsive Design
Javascript (ES6+)	Version Control (Git, GitHub)	RESTful APIs
Debugging	Netlify	VS code

EDUCATION

UNIVERSITY SAINS MALAYSIA (USM)   **Sep 2018 - Aug 2022**
Bachelor In Electrical and Electronic Engineering
- Major Course: Mechatronic Engineering, **CGPA :3.39**

MATRICULATION COLLEGE KELANTAN   **May 2017 - May 2018**
- Module II, **CGPA: 4.0**

ADDITIONAL INFORMATION

- **Languages:** English, Malay, Tamil

- **Certifications:** Meta Front-End Developer Certificate – Coursera, July 2025 (HTML, CSS, JavaScript, React, Git)

- **Awards/Activities:** Safe Project Execution Award - Cooling Tower Upgrade Project (May 2024), Best Team Collaboration Award - Annual Maintenance Shutdown (2024)

REFERENCES

SIVABALAN A/L PERIANAN   **MAARAN A/L TANIRMALAI**
JLL Building Lead   **Mechanical Engineer Lead**
Appraisal Property Management (JLL)   Appraisal Property Management (JLL)
012 - 455 5512   017 - 4492286