CHAKRIT ASSBILLY

FULL-STACK DEVELOPER

ABOUT ME

Recent graduate with a fervent interest in full-stack development, aiming to secure an entry-level role that allows me to apply my technical expertise and actively participate in dynamic projects within a collaborative setting. Currently enrolled in the Tech Up full-stack bootcamp to further enhance my skills.

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https://github.com/Chakrit-Billy

EDUCATION

Bachelors Degree in Biomedical engineering
Prince of Songkla University

Aug 2019 - March 2022

Relevant Courses: medical informatics

Honors: Second-honor

GPA: 3.59

TECHNIACAL SKILLS

Programming Languages
- Javascript
- Python
- Matlab
- C and C++

Web Development
- HTML
- Css
- React.js
- Node.js

Databases
- MongoDB
- PostgreSQL

Others
- Git
- Postman
- Vs code
- Arduino IDE

EXTRACURRICULAR ACTIVITIES

- PSU Rotaract club : Vice President

SOFT SKILLS

- Strong communication and problem-solving abilities
- Team player with a proactive work ethic
- Quick learner and eager to take on new challenges

WORKING EXPERIENCE

COOPERATIVE EDUCATION

Faculty of medicine - Assisted in develop medical research Collaborated with student in Master degree faculty of medicine Gained experience in
Critical thinking , 3D designing and Fabrication , Reading English journal and Researching skill

PROJECTS

Project : Development of Microfluidic Chip for 3D cell culture
- Description: Designed, fabricated, and tested a Microfluidic Chip for 3D cell culture. Employed Fusion360 for design, 3D SLA Printing (foamlabs) for fabrication, and utilized Triple negative breast cancer cells (MDA-MB-231).
- Challenges: Within just four months, undertook the extensive process of conceptualizing, creating, and validating a novel microfluidic chip. Invested significant effort to ensure successful design, fabrication, and rigorous testing.
- Outcome: Achieved success in developing a functional microfluidic chip. Currently preparing a manuscript for a reputable journal submission to share findings and contribute to the scientific community.

Project : Development optimized image processing software for 3D cell culture using Deep learning
- Description: Created a user-friendly GUI for deep learning-based image processing. Leveraged Mask R-CNN and Python for model training and testing.
- Challenges: Overcame the complexity of manual image segmentation for intricate details and large datasets.
- Outcome: Attained a remarkable validation score of 0.904, confirming the software's effectiveness. The solution is now readily available for seamless integration and utilization within applications.

CERTIFICATIONS

- Gold medal 1st Runner up English Debate Competition, The regional OBEC, 2018
- Honorable Mention, Youth Electronics Technology and Innovation, 2021
- Participated , Thailand Robot Design Camp , 2021

CAREER OBJECTIVE

Dynamic and enthusiastic Full-Stack Developer with a strong foundation in both front-end and back-end technologies. Adept at crafting responsive and visually appealing user interfaces, as well as designing and implementing robust server-side solutions. Seeking a challenging role where I can leverage my technical skills, problem-solving abilities, and passion for creating innovative web applications to contribute to a collaborative and forward-thinking development team.