

Fa'iq Haidar Prasetya

Computer Science Student | BINUS

- (62) 81908907702
- faikhaidarprasetya0@gmail.com
- linkedin.com/in/faiqhprasetya
- github.com/nomedcode
- Semarang, Indonesia
- 28 April 2006

SUMMARY

Computer Science undergraduate specializing in Cloud Technology, with hands-on experience in cloud computing, AI/ML, data analytics, and computational research. Experienced with Google Cloud Platform through hands-on labs and certifications, with a growing focus on cloud infrastructure, scalable systems, and cloud-based AI/ML solutions. Also experienced in bioinformatics and computational drug discovery, including molecular docking, protein modeling, and data analysis. Strong interest in Cloud Engineering, DevOps, AI/ML, and Data Engineering, with a passion for applying technical knowledge to real-world projects.

EXPERIENCE

Bioinformatics Researcher — Molecular Docking & PyRx

Pancreatic Cancer Drug Candidate from Bangle Bioactive Compound

09/2023 - 02/2024

- Conducted an in silico drug discovery study investigating zingiberenol from *Zingiber cassumunar* as a potential pancreatic cancer drug candidate.
- Performed protein target prediction using SwissTargetPrediction, PharmMapper, SuperPred, and STRING, identifying potential therapeutic targets including JAK1.
- Prepared and validated 3D protein structures using NCBI, SWISS-MODEL, PROCHECK, and ERRAT.
- Performed molecular docking using PyRx and analyzed ligand–protein interactions and binding poses using PyMOL.
- Evaluated physicochemical properties, drug-likeness, pharmacokinetics, and toxicity using SwissADME and ProTox-II.
- Integrated computational results with phytochemical screening and literature research to assess the potential of Bangle-derived compounds for further investigation.
- Presented research findings in scientific competitions, achieving Semi Grand Award at I2ASPO 2023 and Gold Medal at ISIF 2023, I2ASPO 2023, AISEEF 2024.

EDUCATION

Computer Science

Bina Nusantara University

09/2024 - Present

CERTIFICATES

Google Cloud Computing Foundations Certificate

Google

05/2026

SKILLS

Cloud Computing & Infrastructure: Google Cloud Platform (GCP), Linux, Networking, Virtualization, Containers, Kubernetes, DevOps

Networking: TCP/IP, HTTP/HTTPS, DNS, IP Addressing, Subnetting

Research & Bioinformatics: Molecular Docking, Protein Modeling, Target Prediction, Drug-likeness & Toxicity Analysis

AI/ML: Computer Vision, Deep Learning, Computer Vision, Image Classification, Object Detection, Transfer Learning

Mobile Development: Android Development (Kotlin, Android Studio)

Programming: C, C++, Java, Python, PHP, SQL

Web & App Development: HTML, CSS, JavaScript, PHP, Laravel, Node.js