Muhammad Rizky Sya'ban

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EDUCATION

BANDUNG INSTITUTE OF TECHNOLOGY (ITB), Indonesia   July 2025 (*expected*)
#1 Science and Engineering School in Indonesia.
B. Eng in Computer Science (3rd year / 6th sem), Current GPA: 3.52/4.0
- Merit-based academic scholarship recipient, top 3% from 15,000+ applicants across Indonesia
- Relevant courses: Artificial Intelligence (3 course credits - AB grade), Software Engineering (4 course credits - A grade), Database (3 course credits - B grade), Algorithm Strategies (3 course credits - A grade), Object Oriented Programming (3 course credits - B grade)

MAN INSAN CENDEKIA GORONTALO, Indonesia   May 2021
Mathematics and Natural Science   Rank: 1/120

WORK EXPERIENCE

THINKSPEDIA – Tangerang, Indonesia (Remote)   Mar 2024 – present
Front end Engineer, Internship
- Developed employee management website for internal used using Next.js, Git

EBSI INSTITUTE – Bandung, Indonesia   Dec 2023 – Jan 2024
Full stack Engineer, Freelance

- Developed a comprehensive company profile website using MongoDB, Express, React, Node (MERN) tech stack.
- Established CI/CD pipeline and ensuring consistent code quality and reliability

BANDUNG INSTITUTE OF TECHNOLOGY – Bandung, Indonesia   Jun 2023 – Aug 2023
Frontend Engineer, OSKM ITB
- Join a team to build front-end systems for OSKM ITB website using T3 stack, a full stack type safety with Next.js and Typescript as a core with agile/scrum methodology.
- Specifically build interactive attendance page for OSKM ITB participant and admin dashboard on t-RPC protocol.

BANDUNG INSTITUTE OF TECHNOLOGY – Bandung, Indonesia   May 2023 – Jun 2023
Frontend Engineer, Ganesha Student Innovation Summit (GSIS)
- Join a team to build front-end systems for GSIS website using Vite with React.js and Tailwind
- Specifically build a user-friendly landing page for the website

BANDUNG INSTITUTE OF TECHNOLOGY – Bandung, Indonesia   Jan 2023 – May 2023
Backend Engineer, Parade Wisuda ITB
- Developed server side website for parade wisuda ITB include graduates projects showcase
- Join a team to build front-end systems for GSIS website using Vite with React.js and Tailwind
- Specifically build a user-friendly landing page for the website

ROBOTIC UNITS OF ITB – Bandung, Indonesia   Oct 2022 – Dec 2023
Research Assistant, Search and Rescue Robotics Team
- Designing, testing, and implementing control algorithms for hexapod save and rescue robots
- Collaborated with interPerforming data cleaning and deduplication to ensure the integrity and quality of the stored information.

COMLABS – Bandung, Indonesia   August 2022 - December 2022
Teaching Assistant, USDI ITB
- Appointed as 1 out of 300+ applicants to guide 70+ practitioners in doing practicum regarding python.
- Designed the problems and solutions for laboratory exam; instructed and graded laboratory works.

AWARD

Scholarships   : Djarum Beasiswa Plus   2023

COMPETITION

National	**Finalist** at Data Analytics Dash of Compfest 15 by University of Indonesia	2023
National	**Finalist** at Olimpiade Sains Nasional (OSN), in Physics.	2020

National	**Silver Medalist** at Olimpiade Sains Nasional (OSN), in Physics.	2019
National	**First Place** at Ruangguru Champion Season 1.	2019
National	**Top 12** at Training Center of the 14th Internasional Junior Science Olympiad (IJSO).	2017
National	**Silver Medalist** at Olimpiade Sains Nasional, in Natural Science.	2017

TECHNICAL SKILL

Programming Language	:	C, C++, C#, Python, Golang, Java, JavaScript, TypeScript, HTML, CSS, Haskell, Prolog, Assembly, Php.
Libraries	:	OpenCV, Numpy, Matplotlib, Pandas.
Tools, System, and Platform	:	Google Cloud Platform (GCP), Intellij IDEA, Visual Studio Code, Visual Studio, Github, Gitlab, Jupyter Notebook, MongoDB, MariaDB, MySQL, Postgres, SQLc, Next.js, Node.js, Express.js, Laravel, Gin, React.js, Tableau, Ubuntu, Linux, Arduino IDE, Postman.

SELECTED PROJECT (Course Assignment)

CHATGPT-LITE : https://github.com/mrsyaban/ChatGPT-Lite   2023
  Developed a string pattern matching website using Knuth Morris Pratt and Boyer-Moore Algorithm. Utilize Next.js and REST Protocol with Postgres database. Written in ~1,000 LOC (60% Typescript, 40% Javascript).

PODCAST APP : https://github.com/mrsyaban/wbd-client-spa   2023
  Developed a podcast web application include a premium and regular user feature using REST and SOAP Protocol. The regular user application build with monolithic Php Vanilla and premium user application build with React typescript and tailwind. Written in ~14,000 LOC within 5 different repositories (50% Php, 40% Javascript, 10% Java).

JURUSANKU : https://github.com/Rakuten-JurusanKu   2023
  Developed college major recommendation mobile application especially the server side. Build using Gin-gonic, PostgreSQL, SQLc, go-migrate, and JWT for cookie-based authentication. Utilize Google Cloud Platform to create CI/CD pipeline for the server and database. Written in ~300 LOC (100% Go)

SHORTEST ROUTE FINDER : https://github.com/mrsyaban/Shortest-route-finder   2022
  Build a shortest route finder web application using A* and UCS Algorithm. Build with React.js, react-leaflet, and ChakraUI.

EIGEN FACE RECOGNITION : https://github.com/mrsyaban/EigenFace-Recognition   2022
  Build a GUI program to recognize a faces in dataset by comparing the eigen vector with query image.

ORGANIZATIONAL EXPERIENCE

GOOGLE DEVELOPER STUDENT CLUBS – Bandung, Indonesia   July 2023 – Present
Deputy Head of Event, GDSC ITB
  ● Designing and coordinating events held by Google Developer Student Club (GDSC) ITB 2023 includes info session and workshops about technology.
  ● Successfully organized 10+ workshops with over 2000 attendees

Informatics Student Association of ITB – Bandung, Indonesia   August 2023 – October 2023
Head of Event Division, Wisokto HMIF
  ● Designing and coordinating three events for parade wisuda oktober HMIF ITB 2023.
  ● Main event held in hotel ballroom with 400+ attendes

Informatics Student Association of ITB – Bandung, Indonesia   December 2022 – Present
Staff, Extracampus Division
  ● HMIF contact person for community and university.
  ● Company visit project officer – managing virtual tour and sharing session to Blibli.

I declare the details stated to be true and complete.
(CV updated on April 16, 2024)