



ABDURRAHMAN FARIS RIZQULLAH

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BandungRejosari, Sukun, Kota Malang, Jawa Timur 65149

6th semester Informatics undergraduate student at Institut Teknologi Sains dan Kesehatan Rumah Sakit dr. Soepraoen Kesdam V/BRW Malang, with a passion for Backend Development and a strong interest in creating efficient and scalable systems. I thrive in collaborative environments, having worked directly with teams specializing in UI/UX design for endpoint references, Data Science for data-driven system integration, and Fullstack/Frontend developers to ensure seamless integration between backend systems and user interfaces. My adaptability, problem-solving skills, and ability to work effectively within diverse teams have been instrumental in successfully delivering various projects. I am committed to continuous self-improvement and always eager to contribute to impactful projects that challenge my skills and broaden my expertise.

Work Experiences

PT. Multi Solusindo (Urbansolv) - Dago, Bandung - Indonesia

Oct 2024 - Dec 2024

Junior Backend Programmer

Urbansolv, part of SCCIC ITB, develops smart solutions (automation, IoT, AI) for smart cities and sustainable communities. Key clients: Kominfo, NTU. Flagship products: CENA & VAIA.

- Smart Building Simulator
 - Developed backend systems using JavaScript (Next.js, Express.js) and Python (FlaskAPI, FastAPI), integrating monitoring features and machine learning workflows.
 - Independently trained initial machine learning models prior to the inclusion of a dedicated Data Science team, laying the foundation for subsequent model improvements and integrations.
- Digital Twin - Managed the backend of a 3D water monitoring system for four dormitories (each with a capacity of 30 residents). Designed and implemented process indicators for water filtration and distribution, increasing sensor accuracy by 20% and enabling flexible usage insights for researchers and facility managers.
- Landing Page Urbansolv - Built and optimized the backend system for a company-focused landing page using Next.js, ensuring efficient performance and scalability. Improved system response time by 35%, resulting in a better user experience.
- Landing Page INSPIRASI - Developed a collaborative platform supporting ITB, UI, UGM, ITS, and NTU Singapore, focusing on "Cognitive Digital Twin as a Unified Platform for Smart Cities." Redesigned backend systems using Express.js, integrating features for governance, sustainability, and innovative urban applications. Improved system efficiency by 25%, enabling seamless collaboration among 50+ researchers and stakeholders to address climate change challenges and promote sustainable urban development.

Education Level

Institut Teknologi Sains & Kesehatan RS dr. Soepraoen Kesdam V / BRW - Malang, Jawa Timur, Indonesia

Aug 2022 - Aug 2026 (Expected)

Bachelor of Informatics, 3.79/4.00

- Student Creativity Program (PKM)
 - Contributed as a Led the development and coordination of a project implementing Augmented Reality (AR) on laptop hardware to facilitate hardware inspection without physically opening the device. (PKM - KC 2024)
 - Contributed as a Led in a research project titled "Prediction of Drug Sensitivity in Cancer Cell Lines Based on Genomic Profiles Using Regression Techniques", collaborating with a Data Scientist and a writer. (PKM - AI 2025)
- National Professional Certification Agency (BNSP)
 - Participated in certification program in Social Media Marketing focusing on strategies and techniques for effective online engagement and brand promotion.
 - Successfully completed as the Junior Web Programmer certification program, focusing on Native PHP, CodeIgniter, html, and CSS, obtained official certification.
- Developer of Web-based Public Information Dashboard E-Government
 - Involved as led & coordinated, in development, and design of a "Web-based Public Information Dashboard E-Government" that improves the visual appearance and accessibility of public information.
 - Developed key features together with 4 other team members, which is expected to increase the number of active users by 30-40% in the first three months
- Developer of Web-Based Boarding House Management System
 - Involved as a Led, coordinated, analyzed, and designed the development of a "Web-based Boarding House Management System," which is currently under development.
- Creator of Copyrighted Computer Program: AI Laboratory Simulation
 - Contributed as a Led, and key creator in the development of a copyrighted computer program entitled "AI Laboratory Simulation at ITSK RS. DR. Soepraoen Entering a New World Through Virtual Reality (VR)"
 - The program is expected to be used by more than 100 students, increasing ease of access to campus information by 40-50%.

Organisational Experience

Himpunan Mahasiswa Informatika ITSK RS dr Soepraoen - Malang, Jawa Timur, Indonesia

Oct 2022 - Oct 2024

Head Of the Promotion Division

- Coordinated all video production, design, and documentation activities for the Student Association, delivering 10+ projects per semester, with a 90% satisfaction rate among stakeholders.
- Managed and delegated tasks among 19 members of the Promotion Division, improving task efficiency by 30% and meeting all deadlines over 12 months. Revamped 3 key programs, increasing division impact by 40%, and increasing the number of incoming student by 30%.
- Developed and implemented monthly promotional strategies for the association and informatics study programs. Collaborated with the team to brainstorm and target innovative promotional ideas. Successfully revamped and updated the Promotion Division's programs from the previous year, leading to a 40% increase in division impact and a 30% growth in the number of incoming students.

IN CRUST WE RUSH (White Hat Community - Malang, Jawa Timur, Indonesia

Jun 2023 - Present

Member

community organization focused on white hat activities and various fields of informatics, including web programming, Python, and more.

- Contributed to the development of a module on ethical hacking and cybersecurity, enhancing the educational resources for community members.
- Participated in security awareness training and teaching activities at Universitas Muhammadiyah Malang (UMM) and Universitas Kanjuruhan Malang (UNIKAMA), engaging with 200+ students and staff to promote cybersecurity best practices.

Creative Agency "Managetime (M-time)" - Malang, Jawa Timur, Indonesia

Apr 2024 - Present

Co - Founder, Specializing Programmer & Photo/Video grapher

Mtime is a creative agency, specializing in programming, multimedia, UI UX design, and engaging content creator to help and deliver solutions conceptualize clients project

- Contributed as co-founder to the establishment of this creative agency, helping to define its business model and service offerings.
- Served as the lead specialist in programming and multimedia, ensuring high-quality technical and creative outputs.
- Played a key role in developing, analyzing, and designing the Mtime website, contributing to its overall functionality and user experience.

Skills, Achievements & Other Experience

- **Technical Skill** (2025): Proficient in programming languages including TypeScript & JavaScript (Expert), Python, PHP, Java, HTML, and CSS. Experienced in backend development using JavaScript frameworks such as Next.js and Express.js, alongside ORM tools like Prisma and Sequelize. Proficient in Python backend development, utilizing FlaskAPI and FastAPI frameworks with SQLAlchemy ORM for database management. Skilled in managing databases with MySQL and performing data analysis using Microsoft Excel. Proficient in version control with Git and GitHub. Experienced in software and design tools, including Unity for VR/AR development, SketchUp for 3D design, Figma for UI/UX design, and Jamboard to support application and program analysis.
- **Hard Skills** (2025): Experienced in web, desktop, and mobile application development, with a strong focus on backend development. Proficient in data analysis and implementing data-driven solutions. Skilled in applying machine learning techniques to enhance system efficiency and performance.
- **Soft Skills** (2025): Strong in public communication, leadership, and organizational abilities. Experienced in managing teams, coordinating projects, and delivering results on time. Capable of presenting complex ideas clearly and effectively to diverse audiences.
- **Languages** (2025): Native speaker of Indonesian, with strong proficiency in English, particularly in contexts requiring public communication and technical explanations.