

Muhammad Orkhan

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SHORT SUMMARY

Adaptive ITB Information Systems and Technology student, anchoring my journey in integrity, collaboration, and excellence across tech, robotics, and teamwork. My strengths lie in team leadership and problem solving, while my perfectionism is effectively managed through structured time delegation. My personal mission is to be a catalyst for inclusive technological innovation, leveraging digital engineering and adaptive leadership to create impactful solutions for society.

EDUCATION

Institut Teknologi Bandung S1, Information Systems and Technology / STEI-K, GPA (3.9/4) - Research and Curriculum Developer @ ITB Economics and Investing Club (KSEP ITB) - BorNEO HackWKND Finalist, Top 17/256 Participated Teams (SEA Regional Hackathon)	Bandung, Indonesia Jul 2025 – Present
SMA Negeri 1 Kota Depok Informatics/Science Cohort, Grade (94.86) - Gold Medalist, 1st place out of 1600 Participants, OUFEST - Informatics - Best Participant of Depok City in Informatics at National Science Olympiad - Regional Level - Ranked 3rd in Science Cohort - Teaching Assistant - Physics - 3 Years - Teaching Assistant - Informatics - 1 Years	Depok, Indonesia Jul 2022 – May 2025
SMPIT Nurul Fikri Depok Science Cohort Bronze Medalist in Social Sciences at National Science Olympiad (OSN)	Depok, Indonesia Jul 2019 – May 2022
SDIT Nurul Fikri Depok Science Cohort Semifinalist in Kompetisi Matematika Nalaria Realistik	Depok, Indonesia Jul 2013 – May 2019

WORK EXPERIENCE

OSKM ITB 2026 Backend Engineer - Designed and maintained scalable server-side architectures and RESTful APIs to support core event management and user registration workflows. - Optimized database queries and backend logic, reducing response times and ensuring system stability during peak traffic periods.	Bandung, Indonesia Jun 2026 – Aug 2026
AKU MASUK ITB 2026 Entrepreneurship Staff - Developed and executed fundraising strategies to generate revenue for organization operations and event programming. - Analyzed market trends among the student demographic to design and sell products that maximized profit margin.	Bandung, Indonesia Nov 2025 – Feb 2026
BPA STEI-K 25 Computational Thinking & Data Structures and Algorithms Tutor - Mentored peers in developing algorithmic logic and problem-solving strategies, resulting in improved comprehension of complex course materials. - Collaborated with the academic division to align tutoring materials with the official curriculum, ensuring consistency in learning outcomes for the 2025 batch.	Jatinangor, Indonesia Aug 2025 – Jul 2026

LEADERSHIP EXPERIENCE

INFEST (Investment Festival) 2026

Bandung, Indonesia

Director of Operations

Jun 2026 – Present

- **Overseeing comprehensive operational workflows**, including complex logistics, transport networks, and catering management to ensure seamless event execution.
- **Supervising and developing the deployment and maintenance of the official INFEST website** [infest.ksepitb.com], ensuring digital infrastructure readiness and a smooth user experience for all stakeholders.
- **Collaborating cross-functionally with multi-divisional leads** to streamline logistical timelines, venue setups, and hybrid operational workflows during high-impact programs.

IMPACT 6.0 ITB

Bandung, Indonesia

Head of Finance

Mar 2026 – Jul 2026

- **Directed comprehensive financial planning and budgeting** strategies to support seasonal organizational goals and optimize resource allocation.
- **Managed end-to-end accounting operations**, ensuring precise financial tracking, transparent reporting, and compliance with internal standards.
- **Streamlined financial workflows** and implemented structured problem-solving to mitigate risks during high-impact hybrid programs.

STUDENT CLUB 1 DEPOK

Depok, Indonesia

Vice President

Aug 2023 – Jul 2024

- **Spearheaded organizational strategy and operational oversight**, leading a cross-functional team to achieve club milestones.
- **Designed and implemented Intelligent Tutoring Systems** to enhance peer learning efficiency and academic support for members.
- **Mentored and coached club members in preparation for the National Science Olympiad (OSN) in Informatics**, providing technical guidance and structured study plans to enhance competitive performance.

PERSONAL PROJECTS

STEI-K '25 Academic Web – Built a **full-stack academic platform** providing course repositories and exam archives for the ITB students. Developed the responsive web interface using Next.js/Tailwind CSS and optimized the database storage for seamless document retrieval. [acads.steik-site.com] (2026)

ITBypass – Built a navigation **IoT webapp** to calculate campus routes optimized for distance and slope. Developed a modified Dijkstra algorithm backend, React Leaflet frontend, and an ESP32 hardware logger to record real-time terrain data. [itbypass.vercel.app] (2026)

Fluent Mobile App – **Designed and built** a fully working **mobile-first app for a hackathon**. Worked on the UI/UX, backend, frontend, AI modelling, and deploying part. Got us to the top 17/256 on the hackathon. (2026)

For more projects, refer to github.com/vescentongit.

SKILLS AND INTEREST

Technical: C, C++ , Python, Go, Kotlin, SQL, HTML, CSS, Javascript, Typescript, React.js, Next.js, Vite, Tailwind CSS, Node.js, Figma, Arduino IDE, VS Code, JetBrains IDE, Android Studio, Git, Github, Linux.

Language: Indonesian - Native, English - Full Professional Proficiency

Interests: Software Engineering, Artificial Intelligence, Cybersecurity, Economics, Stock Market, Robotics.