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EDUCATION

Bachelor of Computer Science | 3.42/4.00

SMA Negeri 1 Jakarta - Jakarta Pusat, Indonesia

Mathematic and Natural Science | 90.57/100

- Participated in the National Science Olympiad in Astronomy at the provincial-level (Jakarta) and ranked in 6th place
- Became a top 10 outstanding student in the school
- Developed strong analytical and scientific research skills

Universitas Indonesia - Depok, Indonesia

August - December 2024

- Provided one-on-one tutoring for over 40 undergraduate students, helping them understand complex calculus concepts
- Assisted in grading and providing feedback on homework assignments, ensuring clarity and consistency in assessment
- Helped in preparing course materials, including practice problems for exam preparation

June - August 2024

- Designed engaging and user-friendly interfaces to enhance user experience
- Developed responsive frontend components and pages using React and Tailwind CSS for the official OKK UI website
- Contributed to the development of a website used by thousands of new students at Universitas Indonesia in 2024 for orientation and university-related information

April - November 2023

- Provided captioning, proofreading, translating, and copywriting services for COMPFEST publications, resulting in thousands of insights across various social media platforms
- Created and published press releases for the Grand Launching of COMPFEST 15
- Conducted interviews with speakers at the Grand Launching of COMPFEST 15

MAAMS (2025)

- A NextJS app

- Served as a full-stack developer for 4 sprints, managing action items, backlogs, acceptance criteria, and developed authentication and validator features
 - Developed with Scrum in collaboration with FISIP UI and supported the Philosophy of Communication course by analyzing and confirming communication-related problems
- Apap Medika (2025)**

- Developed a hos

- Designed the entire app as a UI designer, created the design system from scratch, and defined user flows
 - Implemented JWT-based authentication with OAuth integration and role-based access control supporting 5 different roles
 - Developed complex business including appointment scheduling, reservations, pharmacy inventory, insurance policy management, and integrated billing with payment tracking
- Database Backup Utility (2025)**

- Built a CLI tool in Go for auto

- Implemented multi-cloud storage (AWS S3, GCS, Azure) with compression, encryption, and retention policies
 - Developed a modular architecture with Docker, Slack notifications, and scheduled workflows
- CrawlKit API (2025)**

- Built a REST API

- The system used BeautifulSoup for HTML parsing with advanced CSS selectors
 - Implemented ethical crawling practices with automatic delays and rate limiting, provided reporting capabilities for data quality monitoring
- Natural Language Inference (2025)**

- Developed a deep learning model

- Used custom-built architectures with the pre-trained DeBERTa V3 model in PyTorch, trained from scratch on Indonesian and English data
- Mario Object Detection (2024)**

- Developed an object detection

- Addressed real-world challenges like lighting variability, angles, and complex backgrounds
- The system was evaluated on accuracy and processing speed, providing insights into implementing and optimizing YOLO for dynamic visual data

- A web based platform

- Users could browse products, manage their cart, top up their balance, complete transactions, and track shipping

- Developed a web

- Developed a web application project with a concept similar to Spotify, offering music and podcast streaming along with detailed content information
- Implemented features like premium subscriptions, playlists, and charts to enhance user experience and content discovery
- Integrated a system to track usage for royalty payments to artists, songwriters, and labels, ensuring accurate data processing with SQL queries

Health Admission Prediction (2024)

- Conducted exploratory data analysis to identify patient traits and disease trends, including peak admission periods and disease patterns by age and smoking status
- Built classification models to predict patient outcomes and regression models to estimate ICU stay duration
- Developed clustering models to group patients, aiming to support medical decisions, optimize hospital resources, and enhance healthcare quality

Lembar Pena (2023) - Best Web Application Award of Platform Based Programming Course 2023

- A web and mobile application project with a literacy community theme, created using Django and Flutter
- Connected readers and authors, offering book purchasing, discussion forums, and a wishlist feature
- Designed the entire app as a UI designer, created the design system from scratch, and defined user flows

Kompetisi Sains Nasional (2020)

- 6th Place in the Provincial-level National Science Olympiad in Astronomy

Primagama Mencari Juara (2017)

- 1st Place and Gold Medalist in Mathematics, Provincial-level Jakarta

Google (2025)

- Google Dig

- Udemy (2023)**

- The Compl

- Java Data Structures and Algorithms Masterclass
 - Java Programming Masterclass updated to Java 17
 - 100 Days of Code: The Complete Python Pro Bootcamp for 2023
- Sololearn** (2023)

- JavaScript Int

UI/UX Design, PyTorch, TensorFlow