

AIRLANGGA PRADANA PRAKUSA

Surakarta, Central Java, Indonesia | ranggavfxartwork@gmail.com | www.linkedin.com/in/airlanggapradana

Software Engineer with 3 years of experience specializing in React app development, with hands-on experience building and integrating backend services. My strength lies in crafting clean, scalable user interfaces, while also working on APIs, authentication flows, and data integration on the backend.

AREA OF EXPERTISE

Frontend: React, TypeScript, Next.js, Vite	Backend: Node.js, Express, NestJS, Python, Django	Engineering Practices: API integration, authentication flows, system optimization, cross-team collaboration
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KEY ACHIEVEMENTS

- Community Solver.** Founded a solution for centralizing exam papers throughout the years by established a platform called UploadXam where it helped over 300 students accross the faculty.
- Society Impact.** Successfully helped ADHD for children experiencing attention difficulties, hyperactivity, or early signs of language delay by developing a low-tech smart interactive carpet that got funded 21 millions rupiah by the Danantara Indonesia.

PROFESSIONAL EXPERIENCE

Laboratory Teaching Assistant - Database Systems	Feb 2026 - Present
- Mentored 30+ students per session in mastering MySQL and database design concepts. - Simplified complex concepts such as Joins, Subqueries, and Constraints through interactive live-coding demonstrations. - Collaborated with the laboratory team to troubleshoot technical issues within the database environment, maintaining 100% uptime during practical sessions. - Maintained detailed academic records and provided constructive feedback to improve student performance.	
Head of RISTEK Division FOSTI 2025/2026	Dec 2025 - Present
- Overseeing the Research and Technology (RISTEK) division, leading the development and execution of high-impact technology-driven programs for the 2026 period. - Managing an intensive technical bootcamp series running from April (pre-midterm) through June to enhance members' core engineering skills. - Facilitating a long-term collaborative environment for hands-on technical experimentation and project development from April to December. - Spearheading the division's flagship national-level technology festival, scheduled for the 2nd week of October 2025/2026, aimed at fostering innovation and technical excellence.	

EDUCATION

Undergraduate Student in Informatics	Aug 2024 - Present
Muhammadiyah University of Surakarta	
- Major in Informatics. - Laboratory Teaching Assistant - Database Systems - Head of RISTEK Division FOSTI 2025/2026	

ADDITIONAL INFORMATION

- **Languages:** English, Bahasa Indonesia
- **Certifications:**
 - The Complete Full-Stack Web Development Bootcamp Udemey
 - Belajar MERN Stack WPU Course
- **Awards/Activities:**
 - GOLD MEDAL WINNER | MYNTERKE: INTERACTIVE EDUCATIONAL VIDEO GAME IN A PROGRAMME TO IMPROVE CHILDREN'S LEARNING MOTIVATION AND COGNITIVE FUNCTION in WYIE Malaysia 2025
 - GOLD MEDAL "MomSync: An Integrated Smartwatch-Based Maternal Health System for Pre-eclampsia Prevention, Medication Recommendations, Hospital Recommendations, Stunting Education, and Supporting Equitable Access to Healthcare Services"
 - SILVER MEDAL | MYNTERKE: INTERACTIVE EDUCATIONAL VIDEO GAME IN A PROGRAMME TO IMPROVE CHILDREN'S LEARNING MOTIVATION AND COGNITIVE FUNCTION in Jakarta Inventors Day, Jakarta
 - TOP 180 INNOVILLAGE 2025 | RABA: A Smart Interactive Carpet as an Intelligent and Inclusive Solution for Optimizing Sensory and Language Development in Children with Attention Deficit and Hyperactivity Disorders
 - 3rd Winner Category Game Programming APSI-PTMA