RADJA ADMIRAL

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PROFESSIONAL SUMMARY

Software Engineering Technology (D4) student at IPB University (GPA 3.33/4.00) seeking a Full-Stack / Web Developer internship for Semester 6 (2027). Hands-on experience building web applications and APIs with React, Next.js, FastAPI, Go, PHP (Laravel, CodeIgniter 4) and Tailwind CSS, backed by a 7-month IT internship at PT Electronic City Indonesia Tbk (ERP and e-commerce backend support). Led a 3-person team as project manager and front-end developer in a web competition, coordinated a software competition with 50+ participants, and holds a BNSP Certificate of Competence in Programming.

EDUCATION

IPB University (Institut Pertanian Bogor) — Bogor, West Java
Bachelor of Applied Science (D4), Software Engineering Technology | Aug 2024 – Jul 2028 (expected) | GPA: 3.33/4.00

- Coursework: web development, database design, requirements analysis, system development

SMK Negeri 24 Jakarta — Jakarta
Software Engineering (Rekayasa Perangkat Lunak) | Jul 2021 – May 2024 | Final score: 87

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, PHP, Python, Go, C#, HTML5, CSS3
- **Frontend:** React.js, Next.js, Tailwind CSS, Framer Motion, GSAP, Lenis, Leaflet, Recharts, jQuery, React Native, Flutter
- **Backend:** FastAPI, Express.js, Node.js, Laravel, CodeIgniter 4, RESTful API, OpenAPI
- **Databases:** MySQL, PostgreSQL (Supabase), MongoDB
- **AI and ML:** Ultralytics YOLO (object detection), dataset auditing and model evaluation, Claude Code, ChatGPT and Codex, Google Gemini
- **Tools and Platforms:** Git, GitHub, Vercel, Railway, WordPress, SAP ERP
- **Teamwork:** Project Management, Quality Assurance, Technical Documentation, Agile
- **Languages (spoken):** Indonesian (native), English (professional working)

PROJECTS

Loopa — Smart Study Assistant | Back-end Developer | FastAPI, Python, YOLO11, Supabase, Next.js | Oct 2026 – Dec 2026

- Built the backend of a Pomodoro study web app that uses the webcam to flag signs of drowsiness and suggest breaks; backend deployed on Railway, frontend on Vercel
- Fine-tuned a YOLO11n model on 3,841 images across 6 classes: 0.959 mAP50 on 195 static test images, about 52 ms per frame on CPU
- Found and removed train/test data leakage (109 of 192 test images had augmented copies in training) by re-splitting by source image group
- Implemented the session API with temporal analysis (blink, yawn, eye closure), a two-stage alert state machine, Supabase authentication and LLM-based break tips with a rule-based fallback

SiagaRS — Hospital Finder and Decision Support Platform | Project Manager and Front-end Developer | Next.js, Go, MongoDB, OpenAPI | Oct 2026 – Nov 2026

- Led a 3-person team building a competition prototype for Web In Action, MIA 2026 (UPNVJ): a web app that helps patients' families find hospitals by required facilities, see the source and age of each data point, and compare 2–3 hospitals
- Wrote the product scope, versioned roadmap (v0.3.1–v1.1.0) and API contract, assigned per-person tickets, and built the frontend (Next.js, TypeScript) against a Go REST API and MongoDB Atlas backend
- Ran manual QA and release checks, and kept documentation and the OpenAPI contract aligned between frontend and backend

EduPortal SiberMu — Student Affairs Landing Page | Front-end Developer | Next.js, React, GSAP, Lenis | Sep 2026

- Built a responsive single-page site with carousel, category filters, dialogs and FAQ in a team of three, with reduced-motion support and keyboard controls
- Live demo: eduportal-sibermu.vercel.app | Source: github.com/Admrlrdj/eduportal-sibermu

LMS Hyper Optimum Website | Back-end Developer | WordPress, WPLMS, myCred, SCORM, PWA | Dec 2025 – Jan 2026

- Built a learning management system for organizational training across a four-level hierarchy (Country, Region, City, Store)
- Implemented role-based access control, automated enrollment rules by role and location, hierarchical gamification leaderboards, SCORM tracking and PWA access

Save Raja Ampat Website | Front-end Developer | Next.js 16, React 19, TypeScript, Tailwind CSS, Framer Motion, Leaflet, Recharts | Dec 2025

- Developed an interactive environmental advocacy website in a team of three with parallax storytelling, data visualizations (Recharts) and maps (Leaflet)

Warkop Setia Abadi Company Profile Website | Front-end Developer | HTML5, CSS3, JavaScript, Slick | Mar 2025 – Jun 2025

- Developed a fully responsive company profile site from scratch using Flexbox, Grid and a menu slider

EXPERIENCE

Head of Public Relations — Infantry Cabinet, Informatics Management SV IPB | Dec 2025 – Nov 2026

- Led the public relations division of the Infantry cabinet, sharing information about Infantry with Software Engineering Technology students
- Acted as the link between the cabinet board and students so that activity information reached them clearly

Software Development Competition Coordinator — IT Festival, IPB University | Feb 2025 – Aug 2025

- Coordinated a software development competition with 50+ participants from multiple universities, managing timeline, judges, mentors and logistics

Active Member, Web Development Team — Google Developer Group on Campus, IPB University | Dec 2024 – Nov 2025

- Contributed to coding workshops and mini projects using Python and web technologies

Webmaster Division Staff — HIMAVO Micro IT Community, IPB University | Sep 2024 – Nov 2025

- Learned the fundamentals of HTML, CSS, JavaScript and Git over several months
- Collaborated with the core team through Git and GitHub, keeping branding consistent

Information Technology Intern — PT Electronic City Indonesia Tbk, Jakarta | Jul 2023 – Jan 2024

- Supported internal systems including ERP and e-commerce backend operations
- Handled software troubleshooting and basic network infrastructure support across departments

Web and Mobile Development Bootcamp Participant — Politeknik Jakarta Internasional (JIHS) | May 2023 – Jun 2023

- Built interfaces with React.js and React Native, and RESTful APIs with Go and PHP (Laravel, CodeIgniter 4) in an Agile team

CERTIFICATIONS

- **JIHS Bootcamp Certificate**, Politeknik Jakarta Internasional | Jun 2023 | ID: NO.184.11/KSI/POLTEK-JIHS/VI/2023
- **BNSP Certificate of Competence — Programming**, Badan Nasional Sertifikasi Profesi | May 2024 – May 2027 | ID: TIK 1166 00047 2024
- **Gemini Academy Certified Student – University**, Google for Education | Sep 2026 – Sep 2029 | ID: 195150964