

INDRA NAUFAL ADANI

Mechanical Engineering | Maintenance | Design | FEA | Inspection
085546381640 | indraadani654@gmail.com | www.linkedin.com/in/indranaufaladani/Tuban, East Java

Bachelor of Mechanical Engineering graduate from Universitas Negeri Surabaya with experience in mechanical maintenance, inspection, engineering design, Finite Element Analysis (FEA), and prototype development through various internship programs and industrial projects. Experienced in analysing mechanical systems and components, equipment inspection, machinery maintenance, and design. Strong analytical, problem-solving, teamwork, and adaptability skills; ready to grow and contribute in engineering, maintenance, manufacturing, mechanical design, and quality/inspection roles.

EDUCATION

UNIVERSITAS NEGERI SURABAYA - **Surabaya, Indonesia** August 2022 - July 2026
Bachelor of Mechanical Engineering (GPA: 3.75/4.00)

WORK EXPERIENCE

WIDYA CATERING – **Tuban, Indonesia** June 2017 - Present
F&B Operations Assistant
Supported catering operations and service activities at various events, ensuring smooth workflow and customer satisfaction.

- Served customers directly in food and beverage presentation, ensuring service ran smoothly.
- Managed operational preparation, including packaging, order arrangement, and service area setup.
- Maintained cleanliness, tidiness, and team work efficiency in a fast-paced working environment.

GEPREKIN AJA (PT. Olah Kuliner Nusantara) – **Surabaya, Indonesia** April 2026 - June 2026
Outlet Crew (Kitchen & Service)
Ran daily outlet operations, from food preparation to customer service, in line with company standards.

- Prepared and cooked menu items according to recipe standards, sauce portioning, and specified doneness levels.
- Handled customer orders on site and through delivery applications, including transactions and order packaging.
- Maintained kitchen hygiene, managed raw material stock, and carried out outlet opening and closing procedures.

INTERNSHIP EXPERIENCE

PT Robutech – **Surabaya, Indonesia** April 2025 - August 2025
Inspection
Assisted in technical inspection and equipment certification projects at various industrial sites, such as power plants and factories operating production machinery.

- Performed testing methods including Non-Destructive Testing (NDT), Radiographic Testing (RT), and Visual Inspection (VT).
- Prepared equipment, consumables, safety procedures, and field logistics for each inspection assignment.
- Supported field inspection activities, data recording, and reporting.

OIL AND GAS HUMAN RESOURCES DEVELOPMENT CENTER (PPSDM MIGAS) – **Cepu, Indonesia** March 2025 - April 2025
Workshop Mechanic
Performed analysis, inspection, repair, and replacement of machines and machine components in industrial processes.

- Studied practical applications on prime movers, pumps, and lifting systems.
- Learned machining processes, including turning, milling, and forming.
- Gained experience in chemical composition analysis, thermographic inspection, and other quality control measures.

PT TRANS PACIFIC PETROCHEMICAL INDOTAMA – **Tuban, Indonesia** January 2025 - February 2025
Maintenance Execution
Operation, data collection, and testing of mechanical systems and equipment in an oil and gas industrial environment.

- Analysed and evaluated production processes.
- Carried out maintenance and component replacement on industrial machinery.
- Performed quality control and reporting.

PT CADFEM SIMULATION TECHNOLOGY INDONESIA – **Remote (Work From Home)** September 2024 - December 2024
Finite Element Analysis
Performed Finite Element Analysis to evaluate and refine engineering component designs, particularly for applications requiring high precision and accuracy in structural simulation.

- Ran structural simulations and finite element analyses.
- Evaluated structural strength and durability.
- Optimised designs based on analysis results.

KEDAIREKA INTERNSHIP – **Sidoarjo, Indonesia** August 2024 - December 2024
Industrial Research Internship (Multifunctional Electric Vehicle to Improve Accessibility for People with Disabilities)
Development of a multifunctional electric vehicle designed to improve accessibility for people with disabilities. The main focus was on innovations to ease mobility and improve user comfort.

- Conducted user requirement research.
- Designed and built the vehicle electrical system.
- Implemented and tested the prototype.

ORGANISATIONAL EXPERIENCE

GARNESA RACING TEAM – **Surabaya, Indonesia** January 2023 - January 2025
Electrical
Garnesa Racing Team is a student-led project at UNESA that designs environmentally friendly, highly fuel-efficient vehicles aimed at covering the longest possible distance on a single litre of fuel.

- Ensured the vehicle electrical system design was efficient, safe, and supportive of energy efficiency.
- Collaborated with other divisions such as body, engine, and chassis to achieve integrated system alignment.
- Drove innovation in electrical technology to improve vehicle efficiency and performance.

MECHANICAL ENGINEERING STUDENT ASSOCIATION (HMTM) UNESA – **Surabaya, Indonesia** January 2023 - January 2024
Communication and Information Division
A student association whose members come from the Mechanical Engineering study programme at Universitas Negeri Surabaya.

- Managed information and communication media, including the website, social media (Instagram, TikTok, YouTube, etc.), and bulletins/magazines.
- Documented activities in the form of photos, videos, and reports.
- Promoted and distributed all information related to the Mechanical Engineering department through various information media.

FORMAT R UNESA – **Surabaya, Indonesia** July 2023 - July 2025
Communication and Information Division
A regional student organisation for Universitas Negeri Surabaya students domiciled in Tuban.

- Managed the work programmes of the Communication and Information Division.
- Managed information and communication media, including the website, social media (Instagram, TikTok, YouTube, LinkedIn), and bulletins/magazines, and promoted and published all related information.
- Documented activities in the form of photos, videos, and reports, and built collaborations and partnerships with other organisations.

PROJECTS

DESIGN AND DEVELOPMENT OF A PULI CRACKER CUTTING MACHINE - **Surabaya, Indonesia** August 2025 - January 2026

- Designed and developed a puli cracker cutting machine to improve production efficiency.
- Performed engineering calculations to determine optimal dimensions, cutting mechanism, and performance.
- Improved machine effectiveness and product quality compared with the previous manual method.

BRIQUETTE MOULDING TOOL PROTOTYPE - **Surabaya, Indonesia** November 2023 - December 2023

- Conducted research on briquette moulding equipment, including stress, strain, safety factor, and displacement analysis.
- Built a working prototype for data analysis and direct testing.

SKILLS, ACHIEVEMENTS, AND OTHER EXPERIENCE

- **Soft Skills** (2026): Communication, Teamwork, Analytical thinking, Innovation, Critical thinking, Problem solving, Time management, Self-confidence.
- **Hard Skills** (2026): Microsoft Office, engineering design (SolidWorks, Inventor, Ansys, AutoCAD), and content editing (Canva, CapCut, Adobe Photoshop).
- **Achievements** (2023): 5th place, Urban Concept – Internal Combustion Engine (Shell Eco Marathon Asia-Pacific and Middle East).
- **Achievements** (2023): Support team, 5th place, Urban Diesel (Kontes Mobil Hemat Energi).
- **Achievements** (2024): Community Service Programme, Ngimbang Village
- **Achievements** (2024): National Seminar on Machine Design Processes using Software Autodesk.
- **Achievements** (2024): Completed the free learning course at dr. Mekanik Academy.
- **Achievements** (2024): AWS Knowledge: Cloud Essentials.