

WIYOGA ATMO DARWINTO, S.T

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About Me

Mechanical Engineer with expertise in manufacturing processes, drafting, CNC programming, CAD, and CAM systems. Proficient in designing and optimizing mechanical components, creating accurate technical drawings, and programming CNC machines for efficient production. Skilled in utilizing advanced CAD/CAM software to develop innovative and precise designs. Experienced in managing end-to-end manufacturing workflows, ensuring high-quality outputs, and maintaining production efficiency.

Skills and Competence:

- AutoCAD
- CNC and CAD Machine
- Design Graphic
- Software Engineering
- Node Js
- React js
- Mongo DB
- Python
- Microsoft Office
- Teamwork and Collaboration
- Fast Learner
- Quick Learner
- Computer Skills
- Team Collaboration
- Problem-Solving
- Presentations
- Interpersonal and Social Skills
- Research
- Goal-oriented mindset
- Multitasking and Organization
- Report Writing
- Attention to Detail
- Creativity and Innovation

Works & Experiences

Assistant Mechanic (Internship)

PT Honda Menara Agung – Padang

(June 2022- July 2022)

Duties and Responsibilities:

- Assist in Motorcycle Maintenance and Repair: Support senior mechanics in diagnosing and repairing issues with motorcycles.
- Prepare and Organize Tools and Equipment: Ensure tools and workshop equipment are clean, organized, and in proper working order
- Assist with Motorcycle Diagnostics: Help use diagnostic equipment to identify mechanical or electrical issues in motorcycle
- Support Motorcycle Component Repair and Assembly: Assist in disassembling and reassembling motorcycle parts, such as engines, suspension systems, and electrical wiring.
- Manage Inventory and Parts: Assist in managing motorcycle parts inventory and order parts when necessary.

Related Competencies:

- **Motorcycle Technical Knowledge:** Proficient in diagnosing and repairing motorcycle engines, electrical systems, brakes, tires, and other mechanical components.
- **Attention to Detail:** Ensure all repairs and maintenance are conducted with precision, avoiding errors and ensuring the safety and functionality of motorcycles.
- **Safety and Compliance Awareness:** Adhere to all safety protocols and industry standards to ensure a safe working environment and quality repairs.
- **Customer Service Orientation:** Assist in providing excellent service to customers by explaining repairs and maintenance in a clear, professional manner.
- **Communication Skills:** Communicate clearly with senior mechanics and customers regarding the status of repairs and maintenance requirements.

Full Stack Web Developer (Freelancer)

Platform: www.freelancer.com

(January 2023- December 2023)

Duties and Responsibilities:

- Build a Design and develop web applications from Back-end to Front-end.
- Implement responsive and user-friendly UI/UX design.
- Develop efficient and scalable APIs and backend services.
- Work closely with cross-functional teams to identify and solve technical problems.
- Write and optimize database queries for maximum performance.
- Perform testing and debugging to ensure code quality and security.
- Apply best practices in software development, including version control and continuous integration.
- Create technical documentation and project reports on a regular basis.

Related Competencies:

- JavaScript, Node.js, React JS, Next.js, PHP, MongoDB, Design.
- Graphic Design, Creativity and Innovation
- Node.js, JavaScript
- MySQL, MongoDB, Attention to Detail.
- Software Engineering, Attention to Detail, Problem-Solving.
- Software Engineering, Problem-Solving, Microsoft Office.
- Report Writing, Microsoft Office, Research.

Spesific Competencies:

- proficient in HTML, CSS, JavaScript, and frameworks like React.Js and Next.Js for building responsive and user-friendly web interfaces.
- Expertise in Node.js and PHP for creating scalable APIs and backend services.
- Skilled in designing, managing, and optimizing database systems using MySQL and MongoDB for high-performance.
- Strong focus on delivering intuitive, visually appealing, and user-friendly interfaces with attention detail.
- Experience in identifying and resolving issues to maintain code quality and ensure application security.
- Proficient in using Git for version control and collaboration

Fast Learner and Quick Learner:

- The ability to quickly learn and adapt to new technologies ensures that I stay up-to-date with the latest developments in web development.
 - Multitasking and Organization.
 - Able to efficiently manage multiple projects and tasks simultaneously, demonstrating good organizational and time management skills.
 - Creativity and Innovation.
 - Bring creative ideas and innovative solutions to technical problems and development of new features in web applications.
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GPA: 3.43

My education related description:

- Fundamentals of Mechanical Engineering
- Study the basic principles of mechanical engineering, including mechanics, thermodynamics, materials engineering, and dynamics of mechanical systems.
- Machine Design and CAD.
- Develop machine design skills using CAD software such as AutoCAD and other design software.
- Focus on engineering drawing and machine element modeling.
- Application of materials used in engineering and materials.
- Perform performance analysis of machines and structures using numerical methods.
- Master stress, deformation, and fluid flow analysis techniques.
- applications of Turbine and boiler installations.
- Study various manufacturing processes such as machining, welding, casting, and fabrication.
- Understand the concepts of CNC (Computer Numerical Control) and it is implementation in the Production Process.
- Projects and Research, Industrial Manufacturing, Piping and Installations engineering.
- Participate in mechanical engineering projects from the design stage to implementation.
- Conduct research and development to improve efficiency and innovation in design and Manufacturing Processes.
- Enhance skills in technical communication, teamwork and project management.
- Develop presentation and reporting skills of project and research results.

Designing Machine Element Drawing Using AutoCAD Design Course (Course)

Platform: www.mindluster.com (January 2024 – August 2024)

Description:

- Basic Understanding of AutoCAD.
- Acquire basic knowledge of using AutoCAD to drawing machine elements.
- Learn user interface navigation, basic command usage, and basic object creation Drawing Techniques.
- Learn drawing techniques, including creating, editing, and managing layers.
- Use dimensions and annotations to provide precise details on engineering drawings.
- Master the creation of complete and accurate working drawings for machine elements Drawing and Modeling
- Develop skills in the creation of models of machine elements.
- Use various modeling tools such as extrude, revolve and sweep to create complex objects.
- Compose and present engineering drawings to provide better visualization Integration of CNC and CAD.
- Understand the basic concepts of CNC (Computer Numerical Control) and how CAD (Computer-Aided Design) interacts with CNC machines.
- Using CAD design to create machine-executable CNC programs for manufacturing processes.
- Apply the knowledge gained to design efficient and manufacturable machine elements. Complete practical projects that demand an in-depth understanding of machine design using AutoCAD.

Specific Competencies:

- AutoCAD,CNC and CAD Machine.
 - ability to design and use CAD software is very useful in technical projects that require detailed planning and accuracy.
 - The Welding, Graphic Design, Software Engineering.
 - These competencies support projects that require engineering understanding and graphic visualization, as well as software engineering capabilities for in-house system or application development.
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