

RESUME

ABHINAV KRIS BHASIN

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Address: President Ave, Harbor City (Torrance Area), CA 90710

Objective:

Experienced Mechanical Engineer with a strong background in design, project management, customer service and a proven track record of driving project completion and generating significant revenue. Seeking a challenging position to apply expertise in design, analysis, and problem-solving to contribute to innovative projects.

Work Experience:

Pacific Standard Environmental – Huntington Beach, CA

CEMS Engineer (September 2022 – Present)

- Implementing custom designed continuous emission monitoring systems (CEMS) for a diverse clientele, enabling them to achieve regulatory compliance and uphold environmental standards.
- Conducting thorough analysis of system components and providing recommendations for improvements.
- Utilizing programs such as SolidWorks and AutoCAD for modelling of assemblies and components required for fabrication of the CEM Systems.
- Fabricating panels and assemblies of the CEM systems using tools such as CNC machines, laser cutter, water jet and hand power tools.

Genesys Technology Inc. – Irwindale, CA

Mechanical Engineer and Project Manager (August 2021 – August 2022)

- Successfully completed the project for designing and engineering cash acceptor prototypes to be integrated at gasoline pumps and electric charging stations.
- Project completion also includes coordinating the integration of hardware components such as the cash acceptor itself with cloud-based server communication systems.
- Collaborated with company executives to develop strategies for installation and sales.
- Utilized SolidWorks, Simplify slicer, JavaScript, and MySQL to design and program the prototype.

Brask Inc. – Pearland, TX

Mechanical Engineer and Project Manager (February 2015 – June 2021)

- Applied ASME, TEMA and API standards in addition to customer specifications to engineer the most cost-efficient heat exchanger designs.
 - Performed stress analysis and thickness calculations on all components of the heat exchanger.
 - Softwares used for design and calculations: SolidWorks, AutoCAD, RCS and Compress.
 - Programmed proprietary micro-controllers to record thermocouple readings and control fluid valve openings.
 - Worked with different types of metals, such as carbon steel, stainless steel, high nickel alloys, etc.
 - Gave instructional and training classes to younger engineers joining the team.
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Education:

- **Purdue University**, West Lafayette, IN
Bachelor of Science in Mechanical Engineering – Graduated August 2014
 - **Cornell University** – Ithaca, NY (Online)
Project Management Course - PMP Certificate – Currently Enrolled
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Skills:

- Expertise level skills in SolidWorks, AutoCAD, Creo Parametric, Arduino, Compress, Microsoft Office Suite, Project Management, Leadership and Technical Writing.
- Intermediate level skills in Programming languages such as C, C++, Java and JavaScript, HTRI, Photoshop, and Openshot.