

Gautam Iyer

ENGINEERING CONSULTANT

Address Sydney, NSW, 2016

LinkedIn www.linkedin.com/in/gautam-gt

Phone 0414 433 910

E-mail gautamiyer18@gmail.com

Innovative Engineering Consultant ready to combine established technical guidelines with unique methods to create customized solutions. Adept at developing made-to-order instructions and protocols for each client's unique needs. Veteran of enhancing production and development outcomes through novel application of techniques ideally suited to each scenario.

Skills

Engineering Analysis
Engineering Documentation Publication
Engineering Reviews
Collaborative Design Iteration
Rapid Prototype Design
Product development
Project management proficiency
2D and 3D modeling

Work History

2020-11 - 2021-02

Engineering Intern

Optik Engineering Consultancy, UTS, Sydney, NSW

- Prepared design documents, alignments, specifications, criteria details and estimates.
- Assisted with engineering calculations, design drawings, preliminary cost estimates and conducted rapid prototyping to observe design concept.
- Assessed third-party data to check for inaccuracies and provided findings in in-depth engineering presentations to client.
- Provided engineering support to clinical team during commissioning phase of project.
- Interfaced with project management team to prepare engineering submittals and work plans.
- Worked closely with 13 engineers and assisted with testing of 4 prototypes of delivery instrument.
- Completed assignments across 2 simultaneous projects while maintaining

exceptional work quality over period of 3 months.

2017-08 - 2019-03

Product Development Engineer

Aurolab, Tamil Nadu, India

- Managed documentation and schematics for 7 new projects that were undertaken by research and development team.
- Determined project costs, timelines and limiting factors.
- Drove continuous improvement culture in engineering to provide clear product design standards by 20%, improve manufacturability through enhanced documentation, and reduce engineering cycle time by 5%.
- Tested completed 3 projects for functionality and implemented changes to production methods to rectify issues in final products.
- Worked with marketing and service managers to understand customer desires and obtain feedback.
- Created designs at minimal costs using high-volume manufacturing processes and careful material selection.
- Provided clear and timely technical data required for design and specification of product.
- Identified new ideas, products and/or features that improved customer satisfaction by 30%, reduced costs and kept product line in forefront of industry.
- Drafted clear technical documentation, detailing product design specifications.

Education

2019-07 - 2021-06

Master of Professional Engineering: Biomedical Engineering

University of Technology Sydney - Sydney, NSW

- Professional development completed in Work Integrated Learning program.
- Elected to President for UTS Postgraduate Business Society in 2020.
- Awarded UTS Accomplish Awards (Platinum & Gold level) towards enhancement of employability skills.
- Participated in UTS Global Trade Accelerated Program as a business analyst for Tucker's Natural.
- Received recognition on industry-relevant knowledge from Deloitte Australia for my pro-active participation in UTS Consulting Competition.

2013-08 - 2017-12

Bachelor of Technology: Biomedical Engineering

Manipal Institute of Technology - India

- Member of Biomedical Engineering Society of India, Manipal Chapter (BMESI | MC).
- Developed the ability to work in multidisciplinary environment involving Engineering and Healthcare – by acquiring knowledge in Basic Sciences & Mathematics, Engineering and Medical Sciences.
- Acquired the ability to analyze real life problems, and design healthcare solutions that are technically sound, economical, and socially acceptable.

- Participated in national level conferences representing the university.

Accomplishments

- Contributed towards filing three patents and one complete specification for intellectual property.
- Published one correspondence in RETINA journal. Successfully launched one commercial product.
- Participated in developing seven projects. Worked collaboratively with team from John Hopkins University, Baltimore.
- Co-author for a publication in Indian Journal of Ophthalmology. Collaborative project with Ivey Eye Institute, Ontario Canada.
- Collaborated with team of thirteen postgraduate and undergraduate students in the development of "Surgical Instrument to deliver 3D bioprinted Cardiac Patch" using rapid prototyping and published a manuscript to the journal - Rising Star in Robotics: Frontier Journal.

Affiliations

- Engineers Australia
- Biomedical Engineering Society of India | Manipal Chapter

Software

SolidWorks

Blender

Microsoft Project Planner

Trello

Referees

Available on request