DESAI KUSH
Kushdesai2012@gmail.com

Summary of Professional Qualifications

> Accomplished Electrical Engineer with a demonstrated history of success in hardware design development, and educational support.

> Proven Leadership Skills: Spearheaded multiple engineering projects, from concept to mass production, and mentored junior engineers to foster innovation.

> Diverse Technical Proficiency: Skilled in Hardware Communication Protocols, wireless modules, and various CAD and simulation tools.

> Recognition for Excellence: Multiple awards, including from the CEO for significant contributions and outstanding project performance.

> Academic Contributions: Provided hands-on instruction and support to over 250 students, securing scholarships and multiple teaching assistant positions.

> Innovative Hardware Solutions: Developed rugged mobile phones and AI-assisted home appliances, leading to successful product launches and industry recognition.

> Extensive Project Management: Proficient in managing complex projects, ensuring timely completion, and maintaining high-quality standards while adhering to budget constraints.

> Advanced Problem-Solving Skills: Expert in diagnosing and resolving complex technical issues, and implementing innovative solutions that enhance system performance and reliability.

> Strong Analytical Abilities: Skilled in data analysis and interpretation, leveraging statistical tools to drive decision-making and optimize design processes.

> Proficiency in Industry Standards: In-depth knowledge of industry standards and regulatory requirements, ensuring compliance in all project phases.

> Commitment to Continuous Learning: Dedicated to professional development, regularly updating skills and knowledge to stay current with emerging technologies and trends.

> Experience in International Projects: Proven ability to lead and contribute to projects with global teams, understanding and addressing cross-cultural and logistical challenges.

- > Proven Track Record of Innovation: Recognized for contributing to the development of pioneering technologies and methodologies that advance the field.
- > Mentorship and Leadership: Strong advocate for team development, providing guidance and support to colleagues and promoting a culture of improvement and learning.

Academic Background

- Bachelor of Engineering in Electronics and Communications Engineering– Gujarat Technological University, India – June 2016 – GPA: 3.8
- Master of Science in Electrical Engineering – San Jose State University, San Jose, CA – December 2021 – GPA: 3.8

Professional Experience

Apple Inc. **Feb 2022 - Present**
Cupertino, CA
Electrical Engineer

San Jose State University **Aug 2020 –Dec 2021**
San Jose, CA
Teaching Associate & Instructional Student Assistant

Renesas Electronics America **Feb 2021 – May 2021**
San Jose, CA
Product Engineer Intern

eInfochips – An Arrow Company **July 2016 – Aug 2019**
Ahmedabad, India
Hardware Engineer

Technical Skills

- Circuit Design, Physical Design and Simulation
- Hardware Communication Protocols
- Programming Languages
- Lab Equipment(s)

Key Projects

Rugged Mobile Phone Development

- **Role**: Hardware Engineer
- **Description**: Designed a robust mobile phone for use in hazardous environments, ensuring compliance with safety regulations.
- **Impact**: Successfully launched a product for the oil and gas industry, providing reliable communication tools for field workers.

AI-Assisted Home Appliance Interface

- **Role**: Hardware Engineer
- **Description**: Developed a front panel for AI-enabled home appliances, integrating advanced features like automated cooking times.
- **Impact**: Achieved FCC certification and contributed to the introduction of intelligent home technology.

Professional Membership

- IACSIT - International Association of Computer Science and Information Technology
- IAENG - International Association of Engineers
- ISEA - International Statistical Engineering Association
- IAEEEE -International Association of Electrical, Electronic, and Energy Engineering
- IAET – International Association for Engineering & Technology

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Certifications and Trainings

- The Online Marketing Fundamentals – Google Digital Unlocked – July 2018
- Foundation Level Certificate in Software Testing – India – June 2017
- Agile Certificate in Software Testing – India – Oct 2017

Awards and Recognitions

- **Best Paper Award** (IAENG): Recognition for the best-presented paper of ICEEE '22
- **From CEO's Desk** (eInfochips): Recognized for exceptional contributions to company projects.
- **Pat on the Back** (eInfochips): Awarded for outstanding performance in project delivery and innovation.
- **Best Project Award**: Honored for the development of pioneering engineering solutions and contributions to the field.

Publications and Media Appearances

- **" Verification of NAND Flash Controller"**: San Jose State University - 1-1-2022
- **"Powering Tomorrow: Exploring Device Charging Evolution":** Panel – 6-6-2022