

# Devendra Verma, Ph.D.

7654215060 | [devendra3454@outlook.com](mailto:devendra3454@outlook.com) | US Permanent Resident

## Summary

---

Sales + R&D + Supply Chain > Over a decade in semiconductors, team/supplier management.

- Benchmarking: Evaluate industry costs for processes, tools, and products.
- Product Management: Focus on marketing, competitor analysis, and customer segmentation.
- Business Development: Utilize data-driven problem-solving and project management.

## Professional Experience

---

**GSEM/Supply Chain Specialist**, Intel Corporation, Chandler, AZ 2022 – present

- Delivered \$100 million in CapEx, backed by an ecosystem analysis on assembly/die attach (TCB), wafer singulation, and thinning/grinding market among Foundry/OSAT players.
- Managed global semiconductor suppliers in advanced packaging, reduced supplier selection/contract time by 30%, achieving **GSEM Excellence Award & Intel EPIC Supplier Award**.
- Managed supplier performance for facilities across the USA, Malaysia, China, and Ireland.

**R&D/Senior Process Development Engineer**, Heraeus, Chandler, AZ 2021 – 2022

- Solved a 2-year-old Thermal-Fracture problem **increasing product yield by 300%**.
- Developed new materials for etch/deposition tools, **earned two patents**.

**Sales/Product Manager**, KLA (Nanoscience Instruments), Phoenix, AZ 2016 – 2020

- Managed key relationships with four global instrument suppliers and over 100 customers across the United States, providing tailored microscopy/metrology solutions.
- Served as a technical expert and customer-facing scientist, delivering presentations and training.

## Education

---

Ph.D. in Materials and Structures in AAE, **Purdue University**, West Lafayette, IN, 2016

M. S. in Materials and Structures in AAE, **Purdue University**, West Lafayette, IN, 2012

B. Tech. in Aerospace Engineering, **Indian Institute of Technology Kanpur (IITK)**, India, 2011

## Key Skills

---

- **Technical Expertise:** Semiconductor advanced packaging, material development, microscopy.
- **Project Management:** Supplier management, CapEx strategy, market development.
- **Communication:** Technical presentations, training, supplier/customer engagement.

## Achievements

---

- GSEM Excellence Award and top performer at Intel Corporation every year.
- Two patents in advanced materials in semiconductor processes.
- Authored and **published 27 papers** in leading refereed journals and 1 book.

## Research Experience

---

- Led advanced research in Ceramics Manufacturing, Interfaces/Composites, Biomaterials, and High-Temperature Alloys/Metals, contributing to significant advancements in materials science.
- Published extensively in refereed journals, driving innovation and knowledge.

## Certifications & Professional Development

---

- Editor/Reviewer for leading journals in materials science and engineering, including *MSEA*.
- Vice President of Purdue Graduate Student Government (2015-2016), leading student initiatives.