Pratyush Bharati

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Summary

Frontline team leader with 4.5 years of experience driving first-to-market product developments, structuring organizational units, and mitigating project risk. Domains of focus include electronics engineering, team building, process automation, and project management.

Professional Experience

Senior Engineer (E3) | Micron Technology Operation India LLP | Hyderabad
- Founded Micron's first ever 3-pronged verification Dev-Ops group with dedicated teams for Feature Verification, Coverage & Infrastructure development, and Design Quality Assurance, creating 3 unique job roles and 20+ openings.
- Reduced managerial span of control by 60% by hiring 3 senior leaders to take charge of each new Dev-Ops group and by delegating IC engagement & frontline engineering support roles to 6 sub-leads promoted from within the team.
- Accelerated the ramp up of the newly hired leaders by 50% by creating infrastructure for tracking deliverables and providing clear visibility of IC task assignments, thereby empowering them to begin driving their teams sooner.
- Mitigated a potential 8-week project delay by proactively launching 6 strategic recovery initiatives to improve engineer performance, which were instrumental in maintaining the schedule of critical deliverables.
- Reduced time for specification change alignment between overseas teams (in USA & Japan) by 20% by creating a formal documentation methodology and change tracking system, now adopted as a global standard for the HBM vertical.
- Represented the India HBM VE group at a Directorial Summit meeting in USA attended by senior leaders from all 6 HBM engineering teams, during a 2-month trip abroad to assist the post-silicon validation team with the HBM3e ramp.

Engineer (E2) | Micron Technology Operation India LLP | Hyderabad
- Trained & led a team of 18 new college graduates and contractors with no relevant industry experience and enabled them to own the simulation infrastructure of 90% of the product's unique features within 8 months.
- Managed a significant operational crisis of losing 95% of key HBM SMEs due to the Micron Shanghai's abrupt closure, by driving aggressive upskilling initiatives for three months thereby mitigating an anticipated project delay of 2 months.
- Delivered a functional defect free design in the very first release that passed all internal qualification processes and was cleared to be shipped as samples to Nvidia, thereby making Micron the first-to-market OEM for HBM3e products.
- Led the first-ever Verification Results Review wholly conducted by an Indian team, presented to the global HBM Engineering Group, a 200+ member collective of semiconductor design and manufacturing experts.

Engineer (E1) | Micron Technology Operation India LLP | Hyderabad
- Saved a possible major revision of the product costing up to USD10Mn by identifying a critical issue with Micron's product specification; Reduced man-hour cost by 70% per-project by automating a timing verification flow.
- Reduced the training time for 60+ interns, contractors, and new hires by 40% (50 days) by creating a bespoke training program.

Education

B.E. in Electronics and Instrumentation Engineering – *BITS Pilani* | *Pilani*

Accomplishments and Awards

- Awarded the Micron India Culture Champion Award for successfully delivering Micron's first-to-market HBM3e memory.

License & Certifications

Lean Six Sigma Green Belt Certification, KPMG

Microchip Masters Certification, Microchip Technology Inc.

Fundamentals of Audio and Music Engineering, University of Rochester

Co/Extra-curricular

- Managed the concert equipment procurement and budgeting negotiations for outfitting 3 stages for the BITS Oasis College fest with 500+ participants and footfall of 6000+.
- Managed Live Sound for 42 music events as a front-of-house engineer & performed in 3 as a guitarist and backing vocalist.
- Set up booths and managed volunteer enrolment for 8 blood donation drives held annually in July for Starlite Electrodrives Pvt. Ltd, and Starlite Lighting Ltd (family businesses), with an average footfall of 30.