KARTHIKA PERIYATHAMBI

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EDUCATION

THE WHARTON SCHOOL, UNIVERSITY OF PENNSYLVANIA   **Philadelphia, PA**
M.B.A. Candidate; Major in Strategic and Entrepreneurial Management   **2016-2018**
- VP Leadership, Cluster Council; Sponsorship Exec, Wharton Women in Business Conf and Wharton India Economic Forum
- Consulting Expert for SBDC (Small Business Development Center), Member of Consulting Club and Technology Club

STANFORD UNIVERSITY   **Stanford, CA**
M.S.; Major in Electrical Engineering; GPA – 4.1/4.0   **2009-2011**
- Stanford Graduate Fellowship, the most prestigious scholarship awarded by the University (awarded to top 1%)
- Google Anita Borg Scholar, Class of 2010, awarded for excellence in technology

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCES (BITS-PILANI)   **Pilani, India**
B.E. (Hons); Major in Electrical and Electronics Engineering; CGPA – 10.0/10.0   **2005-2009**
- Gold Medalist ≈ *summa cum laude* (1st rank among 800 students); Merit Scholarships (2005-09); Best Graduating Student, '09
- Goldman Sachs Global Leader, Class of 2007; Honorable Indian Prime Minister's special guest for Republic Day, 2006
- President, Symposiarch Club; Co-Founder, Innotronics Club and Secretary, Electrical and Electronics Association 2007-08

EXPERIENCE

GOOGLE   **Mountain View, CA**
Hardware Engineer   **2014-2016**
20% Product Manager   **2016**
- Spearheaded top-secret design for confidential H/W products in ~$8B critical market of Android, Chromebook and Data Centers
- Saved ~$2M for Google's proprietary SOCs by achieving golden prototype in first production launch; Patent pending
- Evaluated market designs for VR (virtual reality) devices, accelerating cost optimizations by 10x for electronic integrations
- Created fully executable multi-cached Virtual Memory with 45% more Prefetch hits in quick 3 months' time from scratch
- Drove competitive user research for high-tech VR HMDs to establish differential market placement with ~35% better accuracy
- Initiated and led team of 7 PhDs to achieve 100% Lint clean design, effecting on-time delivery of Testable product to customers
- Hired as the youngest designer in unit of 150 experts; promoted within 1st year. Received multiple Spot Bonuses and Peer Award
- Mentored aspiring girls and minority students through Google for Education initiatives; Speaker at multiple Career Panels
- Coordinated Govt. delegates and Media for Indian Prime Minister Modi's Google visit; represented Google at National Interviews

INTEL CORPORATION   **Santa Clara, CA**
Senior Design Engineer   **2011-2014**
- Designed and optimized Power-Area to 8x Performance/Watt and 22% transistor reduction for Intel's Knight Landings project and USA's next Supercomputer Aurora and Trinity- 8 billion transistor chip yielding stupendous performance of 6TeraFlops
- Coordinated team of 40+ verification, backend and arch across sites (PDX, SC, Barcelona) to resolve critical timing paths by 50%
- Awarded Knights Armor for saving 6-month market launch delay of High Performance Computing Xeon-Phi Processors
- Received Excellence Award for innovating Hybrid Instruction Decoder Architecture facilitating high Performance/Watt model at 1.5 GHz frequency, two-way Superscalar architecture with 38% area reduction; patent pending and fast-tracked promotion
- Organized knowledge sharing sessions with Skylake and Knights-Hill project managers to boost cross-product compatibility
- Served as Creative Chair and Lead-Choreographer, Intel India Employee Group, 2013-14 and Manam-Visweta Fundraiser Events

INSEAD BUSINESS SCHOOL   **Fontainebleau, France**
Financial Analyst Intern   **2009**
- Designed database models for analyzing open-end funds and implemented 2x more efficient parent-matching algorithms

ADDITIONAL INFORMATION

- **Social Impact:** Founder and Patron of Kalai-Thambi Trust to support education and women-empowerment, Patnm village, India
- **National Records:** West India Topper, CBSE (1st rank among 200,000 students); Indian Representative to United Nations Ambassador Lunch, NY; All India Rank 9, National Science Olympiad; 1st Rank in State for AIEEE and CBSE (50K applicants)
- **Awards:** NTSE Scholar '03; Dhirubhai Ambani Award '03-'05; All-India-Top 0.1% Merit Award (among 1M students)
- **Public Talks:** Google Scholar Retreat, BITS Cell for Entrepreneurial Leadership, Sangam University and Women-Career talks
- **Hobbies**: Track (100-200m), classical dance and choreography, extempore and debates, hiking, backpacking and fiction Thrillers