

Kunal Soni

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EDUCATION

2009-2011	The University of Wyoming Laramie, Wyoming, The United States	M.S. [3.88/4.00] Major: Mechanical Engineering
2004-2009	Indian Institute of Technology Madras Chennai, Tamil Nadu, India	B.Tech. & M.Tech. [8.29/10.00] Major: Naval Architecture and Ocean Engineering Minor: Operations Research

WORK EXPERIENCE

Aug21 – Now	Pristyn Care <i>Associate Director, Data and Engineering</i> ➤ Developed a route optimized schedule for planning doctors' surgeries	Gurugram, India
Nov20 – Jul21	Shopperr.in <i>Associate Director, Technology</i> ➤ Formulated the vision document to implement analytics for the e-commerce firm ➤ Managed the development of mobile application for the e-commerce platform	Gurugram, India
Sep18 – Apr20	Opplan <i>Founder</i> ➤ Built a capacity planning and inventory planning tool for restaurants and hospitals ➤ Developed a deep learning image filtration tool for Creatalog Internet Pvt. Ltd	New Delhi, India
Jul16 – Jun18	Amazon India Development Center <i>Inventory Planner 2</i> ➤ Led the development of worldwide device and digital contacts forecasting system, Amazon Dolphin, streamlining (15x speed-up, 22 man-hours/week savings), standardizing (one method for all planning horizons, all 15 countries), and scaling (~4000 devices/16 GB RAM, any number of new countries) the forecasting process	Hyderabad, India
Jan16 – Jul16	Tatras Data <i>Data Scientist</i> ➤ Developed a recommender system for UK's online fashion retail chains, viz. Evans, Wallis, and Topshop, through analytics consulting firm Dressipi	New Delhi, India
Aug12 – Mar15	General Electric Company <i>Scientist, Software Science and Analytics</i> ➤ Developed a predictive analytics model to plan down time of and prevent critical damage to gas turbines, saving \$5 MM annually for GE's clients ➤ Designed a refrigerator compressor prototype that achieved higher energy-efficiency and higher reliability than LG, Samsung, and Embraco compressors ➤ Ported an in-house simulation software onto high performance computing platform, receiving \$60,000 funding from GE Aviation ➤ Developed a software to simulate metal alloy solidification, achieving 7x speed up w.r.t status quo and receiving \$60,000 funding from GE Aviation	Bangalore, India & Louisville, USA
Dec11 – Jul12	TATA Computational Research Laboratories <i>Engineer, Materials and Chemicals</i> ➤ Developed a software on EKA supercomputer to design ground vehicles and presented and delivered the software to a TATA Motors team	Pune, India

ADDITIONAL INFORMATION

- Technology Project of the Year 2013 Award by GE CTO (1/35 global teams)
- Summer Research Fellowship by the Indian Academy of Sciences (80/10,000)
- GE Lead Expo 2013 Award by GE India (1/11 teams from GE India)
- Graduate Research Associateship by the Office of Naval Research (\$56,800)
- Half-Time Teaching Assistantship Scholarship by IIT Madras (GPA>8.0, INR 120,000)
- Published 2 peer reviewed journal papers and 2 international conference papers

EXTRA-CURRICULAR

- Sports – founding VP of the Wyoming Cricket Club, 3 times winner of the Colorado T20 Cricket League and covered by an article in NYT in 2012; member of IIT-M Cricket, IIT-M Hockey teams
- Social – organized mid-day meals for poor children as a GE volunteer and taught mathematics and English to underprivileged children through Make A Difference NGO