

Prateek Jain 'PJ'

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SUMMARY

I like to:

Create: I've helped design & build business jets, a UAV, a rocket engine, mobile apps & the world's first hybrid airplane.

Empower: By working with amazing teammates and launching initiatives like tech startups, communications non-profits and intrapreneurial projects, impacted over 100,000 people and created over \$2,000,000 in value.

Amplify: From spoken-word poetry to keynote speeches, I've been practicing the art of storytelling for 17 years. I strive to create narratives that inspire people to take action.

PROFESSIONAL EXPERIENCE

Gulfstream Aerospace Corporation, GA

Aerodynamics and Liaison Engineer II

01/14 – present

- Designed aircraft features that exceeded performance goals by 34%
- Managed 7 vertically integrated, unofficial teams to resolve production quality and operations issues
- Implemented wireless-sensors across the shop floor to resolve a manufacturing issue after interviewing dozens of stakeholders. Pitched the tech acquisition, synthesized terabytes of data & saved >500 labor hours

Aerodynamics Engineer NX

06/13 – 12/13

- Proposed design concepts that achieved a staggering 4% aircraft performance benefit (expected ¼ %)
- Increased departmental efficiency by 12% by creating software tools & automating repetitive processes

Engineering intern

05/12 – 12/12

- Investigated an aircraft certification roadblock and interviewed all 3 engineering teams trying to resolve it. Then initiated a \$280,000 3D Scanner acquisition that solved the issue & now saves Gulfstream > \$2,000,000/year

Eagle Flight Research Center, FL

Hybrid Aircraft, Battery Systems Team Leader

05/11 – 11/12

- Helped create the world's first gas-electric hybrid aircraft for a \$1.6M NASA & Google sponsored challenge
- Achieved 200% fuel efficiency improvement versus comparable aircraft, with only 8 months building hardware

ENTREPRENEURSHIP

Plexr Technologies, GA

Co-Founder, Business Development Lead

08/14 – 05/15

- Engaged potential customers in 3 market verticals: marketing, healthcare & politics through personal networks
- Helped double the users of the Plexr app in 2 months using digital marketing & approaching users personally

Gottact LLC, GA

Co-founder, CTO

01/14 – 07/14

- Managed an outsourced development team and launched 3 beta versions of the web platform in 3 months
- Engaged over 100,000 users by creating physical demos of the conversations platform in startup festivals

NON PROFITS

Toastmasters International

Founder, President of Toastmasters Manipal

2008 – present

- World's youngest Founder President Chapter. Started Toastmasters Manipal to help college students gain confidence

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TEDx

Co-founder, Curator of TEDxEmbryRiddle

2011 – 2013

- Launched central Florida's first TEDx platform to encourage entrepreneurship on campus – TEDxEmbryRiddle inspired at least 3 new startups & helped at least 8 students reshape their college careers
- Raised >\$70,000; consistently exceeded fundraising goals (by 15%, 70% and 180% in the first three years)
- Recruited and coached speakers from North America, Europe and the Caribbean islands

RESEARCH

Embry-Riddle Aeronautical University, FL

Capstone Project: UAV Platform Team Leader

05/11 – 02/12

- Researched the market and created a flexible drone research platform 20x cheaper than comparable products
- Open-sourced intellectual property that is now being used for research by >5000 people & taught to graduate students at Embry-Riddle and Gulfstream Aerospace
- Published 'Jianhua Liu; Jain, P.; Jou, C.; Nanda, A; Patel, H., "A multi-module battery system based on MODBUS for a Hybrid Aircraft." Proceedings of IEEE, vol. no., pp.1,6, 15-18 March 2012'

Rocket Engine Funding lead

09/09 – 03/11

- Led the R&D funding effort and helped manufacture Embry-Riddle's first functional liquid propellant rocket engine

AWARDS

8 Mach Awards for exceeding performance expectations at Gulfstream Aerospace, GA

2013 – 2016

Best Humorous Speaker in Georgia & Best Evaluator in Savannah, awarded by Toastmasters Int'l

2015

\$44,000 International Academic Scholarships & Grants, Embry-Riddle, FL

2009-2013

Outstanding Senator, won against 85 political science students at the Stetson Model Senate, FL

2010

2nd Place, Spoken-Word Poetry Contest, Manipal University, India

2009

EDUCATION

Master of Business Administration, **Columbia Business School, NY**

2018

Data Scientist Specialization, **Johns Hopkins University, MD**

2016

M.S. Mechanical Engineering, **Embry-Riddle Aeronautical University, FL**

2011-2013

B.S. Aerospace Engineering, (honors), **Embry-Riddle Aeronautical University, FL**

2009-2013

TOEFL - 118/120 (99%)

SAT - 1570/1600 (99%)

GMAT - 770/800 (99%)