

CHANCHAL CHATTERJEE

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Results-oriented visionary and profit-driven technical leader. Track record of entrepreneurship, rapid innovation, team building, customer ramp, successful products, improving time to delivery and reducing costs. Expertise in deep learning, machine learning, artificial intelligence, Industrial IoT and cloud analytics.

EDUCATION

- **Ph.D. IN ELECTRICAL ENGINEERING AND COMPUTER SCIENCE**
- **M.S. in Electrical Engineering and Computer Science**
 - Purdue University, West Lafayette, IN 47907.
 - Thesis: Adaptive Algorithms for Machine Learning and Stream Analytics
- **B.S. in Electrical Engineering**
 - Indian Institute of Technology, Kanpur, India.

BOOKS

- [Adaptive Machine Learning Algorithms with Python](#), [GitHub](#), Apress Publication - 9000 downloads.
- MLOps Delivery Platform - Transform ML Use Cases from Concept to Production, [GitHub](#)

PATENTS AND PUBLICATIONS

- 29 Patents applied or granted
- 18 Journal publications and 15 Conference publications

AWARDS AND RECOGNITIONS

- Google Cloud: Discussion Leader award Jan 31, 2020.
- Google Cloud: Customer Success IP and AI Innovation award in Q3 2018.
- Google Cloud: 40+ keynotes, [Next19](#), [blogs](#), [press](#), [podcasts](#), and technical workshops (at [NeurIPS](#)).
- Google Cloud: Received 38 awards in 4 years including 30 Peer Bonuses and 8 Spot Bonuses.
- EMC²: Excellence Award for successful RFI delivery resulting in customer acquisition in August 2015.
- Huawei: Exemplary achievement award for big data analytics platform for device BU in March 2015.
- Motorola: Outstanding Achievement award for video product placement at NCTA, June 2004.
- BAE Systems: Excellent Achievement award in March 2000.
- Outstanding Paper Award by IEEE Neural Network Council in July 1999.

PROFESSIONAL HIGHLIGHTS

AI and Cloud

- Google Cloud: Win and Lead over 20 customers on AI projects in four years
- Google Cloud: Lead ML/AI solutions in Healthcare, FinServ, Retail, Manufacturing and Media verticals
- EMC²: Lead digital transformation innovations in [industry consortiums](#)
- Huawei: Lead real-time face recognition of 10B mobile images with 20M images streaming daily
- Akamai: Built game changing cloud-based Sola Vision Media Delivery product for Ultra HD video
- Over 10 years of experience on embedded, broadcast, and streaming video standards and protocols

Management and Customer Experience

- Google Cloud: Lead Machine Learning customer ramp by several \$\$M
- Google Cloud: Lead 40+ strategic presentations before C-level customer executives
- Over 10 years' experience in leading large teams on thought leadership and revenue generation
- Key stakeholder, relationship builder and seasoned driver of market expansion
- Over 15 years of experience with Enterprise, Telecom, Cable MSO and content customers

PROFESSIONAL EXPERIENCES

AI Infrastructure Program Lead May 2022 to Present
Meta, 1 Hacker Way, Menlo Park, CA 94025, USA.



Responsibilities:

- Build a unified AI platform to enforce Responsible AI principles (privacy, security, fairness, transparency) and best ML practices.
- Accountable for identifying and overcoming end-to-end, cross-functional problems in AI across client and/or server infrastructure.
- Lead execution and delivery of AI solutions to resolve business problems via strategic thinking and on-the-ground leadership.
- Define, build and lead cross-functional programs to deliver end-to-end AI solutions.
- Build strong, trusting partnerships to readily mobilize people and influence across a broad range of partners, leaders, and organizations.
- Identify and improve inefficiencies in how we operate to move faster with higher quality outcomes.

Achievements:

- Successfully completed a program for responsible AI privacy and transparency.
- Completed the design and prototyping of end-to-end MLOps and ML monitoring platform.
- Completed discovery and execution of top AI products at FB and Instagram for performance and compliance.
- Design a platform for self-service AI applications.

AI Industry Solutions Lead Feb 2018 to May 2022
Google Cloud, 1600 Amphitheatre Parkway, Mountain View, CA, 94043.



Responsibilities:

- Lead strategic customer projects on AI/ML in Healthcare, FinServ, Retail & Energy verticals
- Lead strategic presentations to C-level customer executives
- Lead new solutions and innovations with impact on large customers and cloud products
- Engage customers in pre-sales discovery of machine learning use cases
- Lead Machine Learning customer ramp by over \$\$M in one year

Achievements:

- Lead over 20+ AI projects with strategic Healthcare, FinServ, Retail, Manufacturing & Energy customers
- Leading 10+ cross-functional projects with custom AI, Auto ML and MLOps solutions
- Lead projects and create solutions in Conversational AI, NLP, Recommendations AI, Document AI, Forecasting, Vision/Video/3D Imaging AI, Reinforcement Learning and MLOps.
- Received 38 awards in 4 years at Google 8 Management Bonuses
- Presented 40+ keynotes, [Next19](#), [blogs](#), [press](#), [podcasts](#), and technical workshops (at [NeurIPS](#)).
- Google Discussion Leader award Jan 31, 2020
- Google Customer Success IP and AI Innovation award in Q3 2018
- [Next19](#), [Press Release](#), [Blog](#), [Podcasts](#), [NeurIPS](#), [Google AI](#)
- [GitHub](#), [GitHub](#)

Senior Director & Head of AI Solutions May 2017 to Jan 2018
Teradata Inc., 2055 Laurelwood Rd, Suite 150, Santa Clara, CA 95054.



Responsibilities:

- Lead and build an AI infrastructure platform for large financial services customers
- Lead all AI solutions for financial fraud, predictive maintenance and financial risk
- Collaborating with Stanford DAWN and UCSD on Deep Learning projects
- Mentor and help implement deep learning technologies in strategic customer applications

Achievements:

- Successfully deliver AI infrastructure platform and model interpretation to large FinServ customer
- Successfully deliver a predictive maintenance software to key airline customer
- Successfully create solution architectures for three market verticals
- Work with multiple account teams to create product vision for deep learning

Principal Architect, Office of the CTO June 2015 to May 2017
Dell EMC Corporation, 2831 Mission College Blvd, Santa Clara, CA 95054.



Responsibilities:

- Create a new business for NFV data center service assurance for strategic telecom customers
- Lead Industrial IoT deep learning PoCs for leading smart building and smart manufacturing customers
- Lead hybrid cloud high availability and carrier grade solutions for telco deployments
- Keynote speaker & contributor in open innovation committees – IIC, OPNFV, TM Forum, Cloud Foundry
- Rapid response to customer RFXs and strategic customer presentations.

Achievements:

- Excellence Award for outstanding performance on Telecom Italia customer acquisition
- Led and published an analytics framework at Industrial Internet Consortium
- Keynote speaker at Industrial Internet Consortium on March 2017
- Keynote speaker at OPNFV summit at Burlingame on November 2015
- Earned a strong reputation as a collaborative partner and an objective driven leader

Technical Director Sept 2014 to May 2015
Huawei Technologies, 2330 Central Expressway, Santa Clara, CA 95050.



Responsibilities:

- Deliver real-time face recognition solution for 10 Billion mobile images with 20M streaming daily
- Build a US engineering team through a competitive recruitment process
- Spearhead new products and innovations in machine learning, big data analytics, and data mining
- Assist in business development and strategic relationship with executives and customers

Achievements:

- Exemplary achievement award for delivering scalable face recognition platform to device business unit
- Successfully deliver a cloud based face recognition product to the mobile BU
- Earned a strong reputation as a collaborative partner and an objective driven leader

Founder and CTO Dec 2011 to Sept 2014
JadeStream Inc., 1159 Sonora Court, Suite 102, Sunnyvale, CA 94086.



Responsibilities:

- Recruit and lead a 12 people US and offshore engineering team
- Lead a high-volume fast data collection and visualization platform for content customers
- File patents and publications for all inventions, algorithms and implementations
- Responsible for a cloud based distributed video, ad, data and analytics platform for mobile and TV
- Develop strong relationships with customers and investors as a technical expert

Achievements:

- Raised \$1.5M from seed investors
- Deploy product in 993 universities for 4.3M subs and increase customer revenue by 2.5x in 1 year
- Acquired two large customers and enter into early revenues

Technical Consultant

Nov 2010 to May 2013

Akamai Technologies, 5355 Mira Sorrento Place, Suite 750, San Diego, CA 92121.*Responsibilities:*

- Lead a commercially successful real-time video processing platform which is the core of Akamai's Sola Vision video delivery service

Achievement:

- Built game changing Sola Vision Cloud based Media delivery and service product

Founder and CTO

July 2008 to Oct 2010

Chromagic Inc., 11526 Sorrento Valley Road, Suite E, San Diego, CA 92121.*Responsibilities:*

- Recruit and lead a team of 18 employees and additional offshore staff
- Lead all algorithmic and implementation innovations, file patents and publications for inventions
- Participate in standard committees including ISO/IEC, DVS 714 and SCTE 130
- Customer interaction and assistance in marketing and business development

Achievement:

- Raised over \$3M from Series A investors
- Deliver a high-density platform for video traffic routing and last mile bandwidth management for Telcos

Senior Distinguished Member of Technical Staff Feb 2001 to June 2008**Motorola Inc.**, 6450 Sequence Drive, San Diego, CA 92121.*Responsibilities:*

- Lead the design and implementation of real-time video products for AVC/H.264, MPEG-4, and MPEG-2
- Assist in ISO/IEC video standard committees including H.264
- Research, develop, and file inventions for new technologies related to H.264, MPEG-4 and MPEG-2

Achievements:

- Received award for H.264 video decoder implementation for NCTA show in 2004
- Built first IP set-top box which led to the Motorola IP set-top boxes to AT&T U-Verse