JITESH VINOD PUNJABI

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SUMMARY

- Software Engineer / TLM – Shipped AI/ML products at Google scale in Gemini and Google Assistant for over 8 years.
- Built and led a team of 12 "Swiss Army Knife" engineers over 4 years – we did everything (from post-training to serving infrastructure and ML Serving/Ops). Fun!

TECHNICAL SKILLS

Languages:	Python, C++
Libraries:	Tensorflow, Django, Numpy, Scipy, Sklearn, Pandas
Databases:	MySQL, PostgreSQL, MongoDB, SOLR, Amazon Redshift

EXPERIENCE

resolve.ai
Member of Technical Staff
Sept 2025 - present — San Francisco, CA

- Tech lead / Manager for the code understanding and remediation abilities for the Resolve AI SRE Agent.
- Tech lead / Manager for a remediation first CLI product.

Google DeepMind / Gemini
Staff Software Engineer / TLM, Planning, Reasoning and Extensions Team
Mar 2023 - Aug 2025 — Mountain View, CA

- Led **backend and modeling for Gemini Canvas**, a SxS co-creation experience for vibe coding web applications and writing documents.
- **Post-training**: Distillation for Gemini 2 Flash models to improve performance on Front-end applications & UX.
- Co-founded **Project Harp**, a rapid prototyping framework for agents with natural language agent-to-agent communication & recursive agents.
- **Synthetic data**: Mining trajectories from offline agents for use in smaller models for serving.
- Core contributor to **Gemini post-training for tool-use using code**. Technical Report
- **Productionized tool use research**. Launched as Extensions on Bard/Gemini (YouTube, Maps, Flights, Hotels). Blog Article

Google
Software Engineer, Google Assistant NLP
Feb 2017 - Feb 2023 — Mountain View, CA

- Launched two generations of **on-device & offline Semantic retrieval based Semantic Parsing models** on Pixel, Google Home and Volvo Cars.
- Launched **Semantic Retrieval based Entity Resolution** models for robust argument understanding.
- Improved understanding of PlayGame intent queries using **information retrieval** techniques.

Shopsense
Software Engineer 1
Oct 2014 - Mar 2015 — Mumbai, India

- Helped scale a real-time data processing backbone that fed catalog, inventory information and images to kiosks deployed in retail outlets.
- Enhanced **SOLR indexing scripts** to run on tablets. Ensured zero downtime by using **core swapping**.

TIBCO Software Inc.
Associate Consultant
Jul 2013 - May 2014 — Mumbai, India

- Built the Nielsen Product Pictures App. **Replaced 3 devices with a smart phone** to catalog product information and images. Projected **savings at $1.5 million per year**.

EDUCATION

Georgia Institute of Technology, Atlanta, Georgia
Dec 2016
M.S. in Computer Science, concentration: Machine Learning

Vivekanand Education Society's Institute of Technology, Mumbai, India
July 2013
B.E. in Computer Engineering