JAYANTH KUMAR

Engineering Leader (with 10 YoE), specialized in building large-scale systems in AI/ML, Data & SaaS

✉ jayanthj@g.ucla.edu 📞 +91 6203779677 📍 Bangalore, India 🌐 jaykmr.com in jaykmr 🐦 jaynkmr ⌂ jayanthkmr

WORK EXPERIENCE

CTO, *Platform Founding Engineer*
Turl Street Group

📅 Sept 2022 - Present 📍 Bangalore, India

- Building best in class intelligence solutions for capital markets and real estate stakeholders using GenAI.

Software Dev Manager III, *Amazon Ads Traffic Quality*
Amazon

📅 Apr 2022 - May 2024 📍 Bangalore, India

- Led the implementation of data pipelines for sourcing feature-rich data on Channels/Streams, Users, and Purchases on Twitch to Amazon for Amazon's Twitch acquisition.
- Led the development of Pre-Cog, a system that runs 10+ multi-dimensional scans on ad campaigns across Twitch, Onsite SP, SB, SD, ADSP programs to identify and mitigate IVT anomalies.

Engineering Manager, *Logistics SaaS Platform & Solutions*
Delhivery

📅 Apr 2021 - Apr 2022 📍 Bangalore, India

- Built and Lead a team of developers and tech leads to launch Delhivery's SaaS array of solutions in new Asian geographies like Sri Lanka and Bangladesh for Warehouse Management, Fleet Management, User Management, Logistics Network Configuration for Serviceability and Route Optimization to run their operations

Head of Engineering & Founding Team
Goodhealthapp (YCombinator and Elevation Capital funded startup)

📅 Sep 2019 - Mar 2021 📍 Remote

- Lead a team of developers to build products in insurance tech and on-boarded 100s of customers and channel partners
- Integrated with business partners by designing and building the business integration flow along with integrating payment gateways and third-party HRMS

Research Lab Lead, *Cuneiform Digital Library Initiative*
University of California Los Angeles

📅 Sep 2017 - Dec 2018 📍 Los Angeles, USA

- Lead the Cuneiform Digital Library Initiative lab to implement and evaluate methodologies for automated analysis and machine translation of transliterated cuneiform documents.

Software Developer Specialist, *Predictive Asset Insights*
SAP Labs

📅 Sep 2014 - May 2017 📍 Walldorf, Germany & Palo Alto, USA

- Owned and lead the development of Predictive Maintenance SDK by architecturally designing it and delegating it to different developers
- Built SaaS solution to visualize and analyze large volumes of IoT data for asset health management and resource optimization.

AWARDS

- **2024** — **Inventor Puzzle Piece Award** in *Amazon*
- **2015** — **SAP Spot Award** for *SAP & Trenitalia* deal innovation
- **2015** — **3ʳᵈ Best Poster and System Award** in *CICLING, Cairo, Egypt*
- **2013** — **All India Winner** in GSQuantify, *Goldman Sachs Quant Competition*
- **2013** — **Asia Regional Finalist** of *ACM ICPC*, Kharagpur, India
- **2010** — **Gold Medal** for top 36 in *Indian National Chemistry Olympiad*
- **2010** — **Merit Certificate** for top 1% in *National Standard Examination Physics*

SCHOLARSHIPS

- **2010** — **CBSE** Merit Scholarship for **All India Rank 300** in *AIEEE*
- **2009** — **SOF** Scholarship for **All India Rank 9** in *National Science Olympiad*
- **2008** — **National Talent Search Scholarship** for qualifying *NTSE*

SCHOLASTIC

- **2024** — **All India Rank 86** in *GATE - Data Science and AI*
- **2019** — **All India Rank 13** in *University Grants Commission - NET*
- **2013** — **World Rank 7** & **Asia Rank 1** in *HackerRank Quora ML CodeSprint*
- **2010** — **All India Rank 168** in *IIT-Joint Entrance Examination*
- **2010** — **Merit Certificate** for top 1% in *National Standard Examination Physics*
- **2008** — **Hindustan Pratibha Samman** in *All India Secondary School Exam*

ORGANIZATIONS

- 🏢 Institute of Electrical and Electronics Engineers (IEEE)
- 🏢 International Society for Computational Biology (ISCB)
- 🏢 Association for Computational Linguistics (ACL)
- 🏢 Association for Computing Machinery (ACM)

EDUCATION

M.S. Computer Science, University of California Los Angeles
📖: *Multi-objective Deep Learning*   🎓: *Prof. Kai-Wei Chang*
📅 Sep 2017 – Mar 2019   📍 Los Angeles, CA, USA

Graduate Certificate, Data Mining, Stanford University
📅 Mar 2016 – Feb 2017   📍 Stanford, CA, USA

B. Tech. (Hons.), Computer Science, IIT Bombay
📖: *Opinion Summarization*   🎓: *Prof. Pushpak Bhattacharyya*
📅 Jul 2010 – May 2014   📍 Mumbai, India

INTERNSHIPS

Summer 2013 — Equities & Rates, **Deutsche Bank**, Mumbai
Winter 2012 — Algorithmic Trading, **Edelweiss Capital**, Mumbai
Summer 2012 — Robot Navigation, **TU Braunschweig**, Germany

AUTHORSHIP

System Design on AWS
Publisher : O'Reilly Media, Inc | ISBN : 9781098146870

Gonzo Poet and through his lens
ASIN : B07M6CWQJJ | ISBN : 9781792911743

PATENT

Unified Data Management For Database Systems
United States Patent 20170039232A1

Rapid Heuristics Engine
United States Patent Filling 18/622,698

PUBLICATIONS

Monotone Submodularity in Opinion Summaries
in Conference on EMNLP – 2015.

Optimizations and Heuristics to improve Compression in Columnar Database Systems.
in ArXiv:1609.07823.

Annotating a Low-Resource Language with LLOD Technology: Sumerian Morphology and Syntax.
in MDPI Open Access Journal – 2018.

Annotating Sumerian: A LLOD-enhanced Workflow for Cuneiform Corpora.
in LDL – 2018.

ESMCrystal: Enhancing Protein Crystallization Prediction Through Protein Embeddings.
in Proceedings of CIBB – 2024.

TECHNICAL SKILLS

</> | C, C++, JAVA, Python, GoLang, JavaScript, SQL
📖 | Django, Flask, JPA, JAX-RS, Echo, OpenAPI, OData
🗄 | MySQL, MongoDB, Cassandra, Airflow, Redis
☁ | Cloud Foundry, Heroku, Docker, Kubernetes, AWS, GCP

ENTREPRENEURSHIP

🏛 **Betr Technologies Pvt Ltd (7Classes)**
Investor and Advisor

🐾 **Pupten Technologies Pvt Ltd**
Founder and Director

STRENGTHS

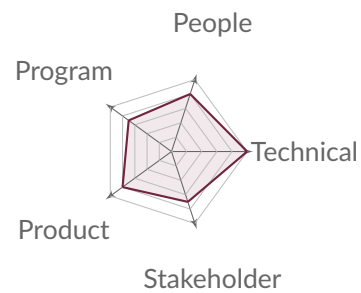Tech Strategy   Product Vision   SaaS
People Management   Agile Processes

Big Data   Data Mining   Deep Learning
AI   ML   Natural Language Processing
Distributed Systems   Cloud Computing

MANAGEMENT SKILLS

People
Program
Technical
Product
Stakeholder

CERTIFICATIONS

aws certified Database SPECIALTY
aws certified Data Analytics SPECIALTY
aws certified Machine Learning SPECIALTY
aws certified Solutions Architect PROFESSIONAL

LANGUAGES

English ●●●●●
Hindi ●●●●○
German ●●●○○

REFERENCES

Dr. Émilie Pagé-Perron
Assyriologist and Digital Scholar
Wolfson College, University of Oxford

Prof. George Varghese
Jonathan B. Postel Professor of Computer Science
University of California Los Angeles

Prof. Pushpak Bhattacharya
FNAE, Abdul Kalam National Fellow
Indian Institute of Technology Bombay