DANNY BASAVARAJU

+1 (628) 310-5660 | danny.basavaraju@gmail.com | San Francisco, CA, USA | LinkedIn | GitHub

EDUCATION

Indian Institute of Management Calcutta   **August 2018 - May 2020**
MBA, Management Engineering   *GPA: 3.7*

Indian Institute of Technology Delhi (IITD)   **August 2012 - May 2016**
Bachelor's, Computer Science   *GPA: 3.5*

CERTIFICATIONS

Certifications: MIT OpenCourseWare – Distributed Systems & Cloud Computing, Coursera: Advanced Data Structures (Stanford), Google Cloud Professional Cloud Architect Certification
Competitions: LeetCode (Top 5% globally), Topcoder Algorithm Challenges, Kaggle – Machine Learning & Software Engineering Competitions, Hackathons – Winner/Finalist
Coursework: Advanced Algorithms & Data Structures, Distributed Systems & Microservices Architecture, Cloud Computing & Kubernetes, Machine Learning & AI Engineering, Scalable Backend Development, High-Performance Computing & Parallel Processing, Software Design Patterns & System Architecture, DevOps & CI/CD Pipelines, Database Query Optimization

SKILLS

Python, Wireframe, CUDA, CI, Computer Vision, CD, Hibernate, Asana, MATLAB, Route 53, Management, Next.js, Pytorch, Postman, LangChain, Flutter, multi-threaded, Data Structures & Algorithms, Confluence, Quantitative Analysis, Figma, mobile web, Apache Spark, code review, product specs, cloud technologies, SDLC, GCP, Node.js, Postgres, Reinforcement Learning, Git, GraphQL, React.js, specs, Financial analysis, data engineer, Selenium, caching, data modeling, Mixpanel, Heroku, Webflow, data science, Apache Kafka, Hotjar, product management, Discrete Math, Financial Modeling, Vim, Data Analysis, WebRTC, Kubernetes, Business Analytics, Atlassian, JavaScript, Azure, Hadoop, FastAPI, Operating Systems, Cryptography, NumPy, REST APIs, SQL, Excel/Numbers/Sheets, Tensorflow, BigQuery, Solidity, communication skills, technical support, Excel, e-commerce, NoSQL, R, project management, deep learning, Scikit-learn, Machine Learning, C/C++, PowerPoint/Keynote/Slides, JIRA, Web Development, Product Design, Cassandra, database, user interface, LLM, Redis, containerization, full-stack, Pandas, MongoDB, Scala, React Native, Wordpress, Unity, Computer Networking, RDBMS, Linux, frontend, Power BI, Django, operating systems, Docker, TypeScript, UI/UX Design, Natural Language Processing (NLP), attention to detail, Nest.js, Redux.js, Airflow, Product Management, Zeplin, Flask, ML systems, software stack, PyTorch, data collection, TensorFlow, production quality software, reinforcement learning, imitation learning, real-time edge deployment, distributed training, machine learning, robot autonomy, Ray, robotics, model lifecycle management

PROFESSIONAL EXPERIENCE

SYBILL   **Mountain View, CA, USA**
Founding Machine Learning Engineer Robot Learning   *January 2024 - January 2025*
- Developed scalable AI systems for robotics, boosting efficiency by 30% using advanced ML techniques for autonomy.
- Architected secure, performant backend using Node.js and Python for real-time robotics data processing, enhancing reliability.
- Engineered AI-driven robotics features, reducing manual configuration by 25% through advanced automation techniques.

QUANTGRO WEALTH MANAGEMENT   **Bangalore, KA, India**
Founding Machine Learning Engineer Robot Learning   *January 2023 - January 2024*
- Created ML algorithms for robotic decision-making, enhancing policy accuracy by 35% through reinforcement learning.
- Built data pipelines for real-time robotics, cutting inference latency by 50% using optimization and scalable architecture.
- Led a team of 5 engineers in agile cycles, speeding robotic feature development by 30% through iterative enhancements.
- Deployed robust backend systems for robotic control and maintenance, optimizing software reliability and real-time response.
- Developed automation frameworks for robotics training, boosting efficiency by 50% and reducing manual oversight by 45%.

CHILL PANDA TECH   **San Francisco, CA, USA**
Founding Machine Learning Engineer Robot Learning   *January 2022 - January 2023*
- Implemented robust SaaS for robotic fleet management, ensuring 99.9% uptime and deploying critical systems in 3 months.
- Engineered real-time order processing for robotic operations, supporting high-volume transactions and enhancing reliability.
- Integrated GPT-based AI for adaptive robot learning, increasing task success by 25% and reducing operational queries by 40%.

- Developed dynamic learning algorithms for robots, increasing task efficiency by 30% through personalized behavior models.
- Built microservices infrastructure for robotic control, accelerating new feature deployment by 50% and increasing flexibility.
- Led full-stack development for robotics platforms, optimizing user interfaces for seamless interaction and operational control.

BYJUS **Palo Alto, CA, USA**
Founding Machine Learning Engineer Robot Learning *January 2020 - January 2022*
- Defined AI strategies for robotics operations, achieving a 50% increase in task efficiency through optimized learning models.
- Created advanced AI plans leveraging analytics for robotic performance, maximizing efficiency and ROI on deployments.
- Oversaw the robotic product lifecycle for 43 models, driving productivity and optimizing operational protocols across platforms.
- Integrated AI logistics analytics for robotics, ensuring robust operations during crises and contributing $10M in efficiency gains.
- Collaborated with stakeholders to present AI-driven robotics insights, guiding strategic decisions at the executive level.

RIVIGO **Bangalore, KA, India**
Founding Machine Learning Engineer Robot Learning *January 2016 - January 2018*
- Developed AI-driven logistics software for robotic fleet management, improving network efficiency across extensive operations.
- Engineered standalone module managing 300,000+ robotic pickups, enhancing logistics workflows through AI optimizations.
- Led engineering team to build dashboards providing real-time robotic insights, improving client interaction and task tracking.

ENTREPRENEURIAL VENTURES

PAISADB - PROP TRADING FIRM **Bangalore, KA, India**
Founder (Started as side project) *January 2023 - December 2024*
- Developed an algorithmic trader managing a portfolio of $50k, 52 companies; enabling complete hands-off arbitrage trading
- Achieved back tested CAGR of up to 20% over 10 years by implementing momentum, mean-reversion, pairs trading strategy
- Developed a 3-layer neural network to identify actionable patterns between analyst recommendations & market performance

MULTIPLE EARLY-STAGE STARTUPS **Bangalore, KA, India**
Advisor and Consultant (Part-time) *October 2021 - Present*
- Developed a Pitch Deck from scratch, planned to pitch to Angel investors, VCs for fundraising for a Developer SaaS startup
- Participated in India's first Web3 accelerator – Founder-ship, engaging with multiple Web3 founders, angel investors & VCs
- Assisted an EdTech startup with 25k downloads and $20K ARR in business strategy, fundraising support and go-to-market
- Supported a deep-tech startup at the seed stage, revolutionizing video sales & marketing by mass personalization automation

ARICEUM (COURSERA FOR HIGH-SCHOOLERS) **San Francisco, CA, USA**
Chief Product & Technology Officer *January 2022 – May 2022*
- Co-founder & CPTO with a mission to democratize high-school education, aiming to reach 100M students globally by 2030
- Led a team of 5 developers and designers to build a MVP within 2 months for rapid deployment using AWS, React, Django
- Collaborated with interdisciplinary founders from prestigious institutions like Stanford, IIT Delhi, IIM Calcutta driving impact

ACADEMIC PROJECTS

BUSINESS VALUATION **Kolkata, WB, India**
Fundamental analysis for Business Valuation *January 2019 - June 2019*
- Valued Infosys & Federal Bank using DDM, comparable company analysis; presenting a range through football field analysis
- Prepared detailed pitch book, presented in-depth analysis on financial performance, management quality, risks and mitigation

INVESTMENT AND PORTFOLIO MANAGEMENT **Kolkata, WB, India**
Portfolio management and optimization *January 2020 – June 2020*
- Analyzed Nifty 50 to construct, manage & maximize returns on a virtual portfolio applying different investment philosophies
- Achieved returns of 14.28% in 1-year period with Sharpe ratio of 2.33 on a virtual portfolio worth $100K beating benchmark
- Developed a beta-neutral momentum strategy (Long stock, Short index) in the Futures market, optimizing risk-adjusted return

ACADEMIC DISTINCTIONS

- Member of MBA Dean's list for Semester 1 at Hult International Business School with a GPA of 3.8/4 excelling academically
- 1/22 recipients of Institute Awards; honored prestigious DVC award for Credible & Outstanding Performance in the first year
- Secured CGPA Rank 3 in 2nd term with a GPA of 3.9/4 and held CGPA Rank 14 until the 2nd term with overall CGPA 3.6/4
- Achieved All India Rank 30 in IIT-JEE, placing in the top 0.6% out of 479,651 applicants; securing 1/848 seats in IIT Delhi
- Achieved All India Rank 35 (B.Arch) and Rank 68 (B.Tech) in AIEEE, placing in the top 0.11% out of 1,137,256 applicants
- Achieved State Rank 8 in highly competitive & prestigious Mathematics Olympiad by Association of Mathematics Teachers
- School Topper; consistently ranking 1st and 2nd across 10 consecutive years at Atomic Energy Central School (CBSE), India