# DANNY BASAVARAJU

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## 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

Skills: Hibernate, TypeScript, deep learning, mobile web, Computer Networking, Tableau, Product Design, multi-threaded, BigQuery, Django, MongoDB, Python, Power BI, SQL, Redux.js, Scala, Pandas, user interface, Operating Systems, caching, WebRTC, Flutter, CUDA, Natural Language Processing (NLP), product management, Snowflake, Blockchain, React.js, Tensorflow, LangChain, Cassandra, e-commerce, Data Structures & Algorithms, containerization, Pytorch, Atlassian, JIRA, project management, Neural Networks, Business Analytics, Reinforcement Learning, product specs, ES6, Financial analysis, Wireframe, operating systems, Zeplin, Confluence, REST APIs, Airflow, Discrete Math, Management, Git, SDLC, Unity, frontend, cloud technologies, WebKit, C#, Hubspot, UI/UX Design, Kubernetes, Computer Vision, Node.js, Hadoop, Apache Hive, Selenium, data science, Linux, Apache Spark, LLM, PowerPoint/Keynote/Slides, Redis, NoSQL, Next.js, Heroku, CD, C/C++, Amplitude, React Native, Financial Modeling, Hotjar, Postgres, R, Figma, Docker, FastAPI, CI, code review, Quantitative Analysis, Web Development, Scikit-learn, communication skills, Data Analysis, specs, Cryptography, Product Management, CloudFormation, full-stack, Asana, Vim, Webflow, GraphQL, Route 53, Excel, Azure, data modeling, GCP, JavaScript, Solidity, database, data engineer, RDBMS, Flask, MATLAB, Machine Learning, Nest.js, Apache Kafka, AngularJS, ETL, Rust, CI/CD, networking, DevOps, C++, cloud platform, Terraform, Istio, infrastructure

## PROFESSIONAL EXPERIENCE

**SYBILL**                                                                **Mountain View, CA, USA**
*Founding Engineer, Platform & Infrastructure*                                    *January 2024 - Present*
- Engineered scalable cloud platforms using Docker & Kubernetes, driving a 30% boost in query performance & 15% cost savings
- Designed secure backend system optimized with Python, Node.js, and responsive React for seamless multi-cloud interoperability
- Implemented service mesh technology, increasing 40% observability & reducing manual monitoring efforts by 25% with Envoy

**QUANTGRO WEALTH MANAGEMENT**                                    **Bangalore, KA, India**
*Founding Engineer, Platform & Infrastructure*                                    *January 2023 - December 2024*
- Deployed Docker containers & Kubernetes for distributed financial analytics, enhancing decision accuracy by 35% & efficiency by 40%
- Developed real-time data pipelines on Kubernetes, reducing query latency by 50% & optimizing financial workloads execution
- Optimized CI/CD processes using Jenkins, driving 30% faster cloud platform enhancement releases for a 5-person team
- Engineered comprehensive private cloud infrastructure for fund strategy execution, enhancing system performance and reliability
- Built Terraform automation scripts, boosting engineering productivity by 50% & reducing config management time by 45%

**CHILL PANDA TECH**                                                    **San Francisco, CA, USA**
*Founding Engineer, Platform & Infrastructure*                                    *January 2021 - December 2023*
- Engineered resilient SaaS infrastructure with Kubernetes, ensuring 99.9% uptime & rapid prototype delivery within 3 months
- Architected financial data processing on Kubernetes, enabling $1M+ transactions & successfully integrating 10 enterprise clients
- Integrated real-time analytics for personalized user experiences, increasing retention by 25% & reducing support needs by 40%

- Developed cloud-native data processing models in Python, driving client revenue up 30% through optimized query execution
- Built modular microservices on Kubernetes, accelerating feature delivery by 50% and enabling continuous product iteration
- Led full-stack development in Python & Next.js for enhanced customer engagement on scalable cloud platforms

**Osmo**                                                                                    **Palo Alto, CA, USA**
*Founding Engineer, Platform & Infrastructure*                            *January 2020 - December 2021*
- Strategized platform optimization driving 50% revenue increase for $40M business via AI-automated cloud analytics solutions
- Designed predictive cloud infrastructure, optimizing resources for $15M sales plan and maximizing return on investment
- Managed product lifecycle with cloud-based tools, driving $75M revenue, enhancing inventory throughput & uptime
- Implemented AI cloud logistics, ensuring resilience and reducing COVID-related delays, contributing $10M in global revenue
- Collaborated with leadership to present cloud-based strategy insights, dynamically informing CEO & Board decisions

**RIVIGO**                                                                                  **Bangalore, KA, India**
*Founding Engineer, Platform & Infrastructure*                            *January 2016 - December 2018*
- Developed AI-driven logistics software on cloud platforms, supporting driver efficiency across 100+ cities in India
- Sole architect of logistics module supporting 300,000+ operations, improving efficiency through cloud scalability
- Led the build of intuitive client dashboards using cloud technology, providing 100+ clients with real-time insights & alerts

## 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