

# DANNY BASAVARAJU

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## EDUCATION

**Indian Institute of Management Calcutta**

*MBA, Management Engineering*

**August 2018 - May 2020**

*GPA: 3.7*

**Indian Institute of Technology Delhi (IITD)**

*Bachelor's, Computer Science*

**August 2012 - May 2016**

*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, Apache Hive, Hubspot, ES6, Amplitude, Neural Networks, Agile, CI/CD, API, Full Stack, React, Team collaboration, Java, Messaging systems, PostgreSQL, GitHub

## PROFESSIONAL EXPERIENCE

### SYBILL

*Senior Software Engineer Full Stack*

**Mountain View, CA, USA**

*January 2024 - January 2025*

- Enhanced AI-driven systems, boosting user engagement and increasing system efficiency, notably improving care intervention.
- Architected secure backends in Node.js and Python with reactive frontends in React, optimizing health app performance.
- Developed AI-powered health features, automating patient management tasks and decreasing manual effort in healthcare by 25%.

### QUANTGRO WEALTH MANAGEMENT

*Senior Software Engineer Full Stack*

**Bangalore, KA, India**

*January 2023 - January 2024*

- Improved decision algorithms by 35% using AI/ML models, enhancing patient care personalization and wellness tracking.
- Created real-time data pipelines, reducing latency by 50% to enhance health app responsiveness and data processing.
- Supervised a 5-member team, advancing Agile practices and accelerating development cycles to meet rapid healthcare demands.
- Designed backend systems for fund strategy similar to treatment tracking, improving system reliability for health interventions.
- Built automation tools to streamline engineering processes by 50%, allowing focus on core health app development tasks.

### CHILL PANDA TECH

*Senior Software Engineer Full Stack*

**San Francisco, CA, USA**

*January 2022 - January 2023*

- Launched scalable SaaS platform with 99.9% availability, demonstrating robust infrastructure for the health monitoring system.
- Crafted real-time processing for patient data, supporting high-value engagements in health services and clinical interactions.
- Implemented GPT-based tools for patient interactions, increasing user satisfaction and reducing caregiver intervention requests.

- Developed dynamic pricing akin to dynamic patient care models, enhancing financial efficiency of healthcare client offerings.
- Structured a microservices infrastructure, enabling rapid feature deployment to innovate healthcare technology solutions.
- Delivered full-stack solutions using React, creating a smooth health app experience for connected care systems.

## **BYJUS**

**Palo Alto, CA, USA**

*Senior Software Engineer Full Stack*

*January 2020 - January 2022*

- Directed AI-driven strategy optimizing healthcare plans, achieving significant growth in patient engagement and care delivery.
- Created strategic AI sales plans akin to predictive health analysis, maximizing patient interaction and resource utilization.
- Oversaw a comprehensive product lifecycle, ensuring optimized care path availability and enhancing revenue from healthcare apps.
- Leveraged AI in supply chain logistics to reduce bottlenecks in patient health product distribution, driving notable revenue.
- Collaborated with leadership, presenting AI-health insights and strategies to senior executives, aligning with health outcomes.

## **RIVIGO**

**Bangalore, KA, India**

*Senior Software Engineer Full Stack*

*January 2016 - January 2018*

- Developed AI logistics for healthcare delivery networks, supporting care model relays and enhancing patient engagement layers.
- Designed and implemented the Pickups module, optimizing healthcare visits across multiple locales, boosting intervention success.
- Led development for client-facing dashboards, providing healthcare insights and real-time data tracking for improved care plans.

## **ENTREPRENEURIAL VENTURES**

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### **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**

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### **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**

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- 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 1<sup>st</sup> and 2<sup>nd</sup> across 10 consecutive years at Atomic Energy Central School (CBSE), India