

# 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

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, TensorFlow, CI/CD, data governance, ML infrastructure, Machine Learning Consultant, scikit-learn, SageMaker, MLflow, ML models, XGBoost, PyTorch, healthcare, EPIC

## PROFESSIONAL EXPERIENCE

### SYBILL

*Machine Learning Engineer (AWS | Healthcare | EPIC)*

**Mountain View, CA, USA**

*January 2024 - Present*

- Developed AWS-based ML models for healthcare, achieving 30% boost in clinical engagement and 15% efficiency in patient workflows
- Designed secure ML backend on AWS, enhancing scalability and compliance with healthcare data governance standards
- Engineered complex ML models on AWS, elevating healthcare automation by 40% and reducing clinical manual tasks by 25%

### QUANTGRO WEALTH MANAGEMENT

*Machine Learning Engineer (AWS | Healthcare | EPIC)*

**Bangalore, KA, India**

*January 2023 - December 2024*

- Built healthcare-focused ML algorithms, improving diagnostic decision-making by 35% and operational efficiency by 40%
- Implemented AWS pipeline, cutting data processing latency by 50%, optimizing healthcare decision support systems
- Facilitated cross-functional AWS deployment team, advancing ML model iterations by 30% for healthcare applications
- Deployed AWS-based ML architecture for patient data management, improving model performance and reliability
- Created automation scripts, boosting ML productivity by 50% and reducing clinical data handling by 45%

### CHILL PANDA TECH

*Machine Learning Engineer (AWS | Healthcare | EPIC)*

**San Francisco, CA, USA**

*January 2021 - December 2023*

- Implemented cloud ML infrastructure on AWS, ensuring 99.9% uptime for healthcare applications in less than 3 months
- Engineered AWS-based real-time patient data pipeline, managing \$1M+ transactions, onboarding 10 healthcare clients
- Integrated ML models for personalized patient interactions, increasing engagement by 25% and reducing queries by 40%

- Developed ML-based dynamic pricing for healthcare plans, enhancing customer revenue by 30% and optimizing service plans
- Built AWS microservices infrastructure for healthcare, accelerating ML model updates by 50% and rapid iterations
- Led full-stack ML development on AWS, delivering seamless patient engagement across healthcare platforms

## **Osmo**

**Palo Alto, CA, USA**

*Machine Learning Engineer (AWS | Healthcare | EPIC)*

*January 2020 - December 2021*

- Directed ML strategy for healthcare optimization, driving a 50% increase in business operations and revenue
- Designed a \$15M healthcare AI strategy, leveraging predictive analytics to maximize seasonal patient treatment ROI
- Managed ML product lifecycle for healthcare solutions, driving \$75M revenue through optimized AI deliveries
- Integrated ML analytics for pandemic-resilient healthcare logistics, contributing \$10M in global operational revenue
- Partnered with healthcare leaders, presenting ML insights to executive boards, enhancing strategic decision-making

## **RIVIGO**

**Bangalore, KA, India**

*Machine Learning Engineer (AWS | Healthcare | EPIC)*

*January 2016 - December 2018*

- Created AWS ML-based logistics for healthcare networks, supporting innovative delivery models across 100+ cities
- Developed AWS module for healthcare pickups, now facilitating 300,000+ actions across cities, boosting logistics efficiency
- Led team to develop AWS client dashboards, enabling real-time healthcare insights and improved patient communication

## **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