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: Apache Kafka, project management, Hibernate, ES6, Next.js, code review, GraphQL, Apache Spark, Neural Networks, Apache

Hive, Hubspot, data modeling, Discrete Math, mobile web, CUDA, Flutter, Wordpress, Cryptography, C/C++,

Excel/Numbers/Sheets, NoSQL, Redux.js, caching, AngularJS, MongoDB, Route 53, Kubernetes, Redis, Natural Language

Processing (NLP), Node.js, Postgres, CI, PowerPoint/Keynote/Slides, ETL, Hotjar, product management, Asana, Nest.js,

data engineer, database, Scala, Django, deep learning, C#, SQL, JIRA, Postman, technical support, FastAPI, Quantitative

Analysis, Pandas, Cassandra, communication skills, e-commerce, REST APIs, Blockchain, Vim, Python, specs, Heroku,

Solidity, Machine Learning, Tensorflow, Flask, Webflow, Selenium, React.js, Tableau, Data Analysis, Reinforcement

Learning, Confluence, LangChain, Financial analysis, containerization, product specs, Scikit-learn, Mixpanel, Azure,

Figma, Atlassian, Financial Modeling, Web Development, Zeplin, CD, user interface, Unity, R, Computer Vision, LLM,

Excel, Product Management, multi-threaded, AWS, attention to detail, TypeScript, cloud technologies, Git, frontend,

Amplitude, Docker, Snowflake, Airflow, React Native, Power BI, Operating Systems, MATLAB, CloudFormation, Business

Analytics, GCP, full-stack, Computer Networking, UI/UX Design, Linux, Wireframe, WebRTC, data management, banking core,

entitlements, programming experience, Money product architecture, Java, relational databases, new financial products,

Senior Software Engineer, microservice-based architectures, Kotlin, cross-functional team, technical architecture,

scalable systems

# PROFESSIONAL EXPERIENCE

## SYBILL Mountain View, CA, USA

*Senior Software Engineer[78461] January 2024 - Present*

* Engineered scalable systems for financial core, increasing transaction efficiency by 30% and user engagement by 15% in production.
* Designed secure, high-performance backend systems for financial services, leveraging Kotlin, Spring Boot, and React for frontend.
* Developed complex financial services features, integrating APIs to enhance automation by 40% and reduce client manual tasks by 25%.

## QUANTGRO WEALTH MANAGEMENT Bangalore, KA, India

*Senior Software Engineer[78461] January 2023 - December 2024*

* Implemented machine learning models in banking systems, boosting decision-making accuracy by 35% and improving service efficiency by 40%.
* Developed real-time banking data pipeline, lowering latency by 50%, thus improving the speed of financial transaction processing.
* Led an engineering team of 5 in agile architecture transformation, increasing feature delivery speed by 30% within the financial core.
* Deployed end-to-end backend systems enhancing fund management, focusing on performance and reliability of new financial products.
* Created internal financial tools, boosting engineering productivity by 50% and decreasing manual processes by 45% in product development.

## CHILL PANDA TECH San Francisco, CA, USA

*Senior Software Engineer[78461] January 2021 - December 2023*

* Implemented SaaS architecture with 99.9% uptime in the banking sector, supporting rapid deployment of new integrated banking products.
* Engineered real-time processing for banking transactions, supporting $1M+ in daily transactions, successfully onboarding 10 new clients.
* Integrated AI-driven customer interactions in member services, increasing user retention by 25% and reducing support queries by 40%.
* Developed adaptive financial models, boosting client revenue by 30% through dynamic pricing strategies within banking systems.
* Built modular microservices for financial products, accelerating feature deployment by 50% and enabling quick product iterations.
* Led full-stack development of member service platforms using React, ensuring seamless banking experiences and customer engagement.

## Osmo Palo Alto, CA, USA

*Senior Software Engineer[78461] January 2020 - December 2021*

* Directed product strategy for banking optimizations, achieving a 50% increase in revenue through enhanced financial product offerings.
* Designed $15M banking strategy using predictive analytics to optimize sales and maximize seasonal revenue within financial services.
* Managed lifecycle for 43 financial products, driving $75M in revenue by optimizing pricing, inventory, and operational differentiation.
* Integrated analytics to ensure resilient financial logistics during COVID-19, reducing delays and contributing $10M global revenue.
* Collaborated with leadership to present strategic banking insights, developing data-driven strategies for enterprise-level execution.

## RIVIGO Bangalore, KA, India

*Senior Software Engineer[78461] January 2016 - December 2018*

* Developed logistics software boosting banking network efficiency, supporting new financial models across a network of 100+ locations.
* Delivered module enhancing logistics efficiency, facilitating 300,000+ customer deliveries across 100+ cities, improving service speed.
* Led team in creating client-facing dashboards, enabling real-time insights and tracking for over 100 clients in banking services.

# 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