

# 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

frontend, Cryptography, technical support, specs, Operating Systems, Flask, BigQuery, Flutter, e-commerce, JavaScript, Power BI, Excel/Numbers/Sheets, Scala, project management, Unity, product management, Node.js, multi-threaded, CI, Hotjar, Computer Networking, SQL, Hadoop, Discrete Math, WebRTC, FastAPI, R, full-stack, MATLAB, Heroku, Product Management, Financial analysis, Next.js, Linux, Data Analysis, React.js, communication skills, Business Analytics, Apache Kafka, CUDA, data science, cloud technologies, Airflow, ETL, Figma, data modeling, Tableau, Financial Modeling, Postman, operating systems, Management, data engineer, NoSQL, Django, Pandas, GraphQL, Azure, deep learning, Hubspot, Webflow, ES6, Product Design, Docker, JIRA, Redux.js, Selenium, Route 53, GCP, caching, Atlassian, REST APIs, Reinforcement Learning, Excel, Tensorflow, Vim, Apache Hive, Asana, Wireframe, Natural Language Processing (NLP), TypeScript, C#, SDLC, product specs, attention to detail, Neural Networks, AWS, user interface, Snowflake, Confluence, Hibernate, Computer Vision, Blockchain, CD, RDBMS, Apache Spark, Solidity, Wordpress, Postgres, Data Structures & Algorithms, Scikit-learn, Zeplin, containerization, code review, Mixpanel, Nest.js, Machine Learning, LangChain, CloudFormation, MongoDB, mobile web, Redis, Python, LLM, Kubernetes, AngularJS, C/C++, GWAS, genomics data, scientific judgment, AI/ML scientists, RNA-seq, statistical analysis, AI Co-Scientist, bioinformatics, bioinformatics stack, CRISPR, machine learning, drug discovery, aligners

## PROFESSIONAL EXPERIENCE

### SYBILL

*Sr Bioinformatics Software Engineer*

**Mountain View, CA, USA**

*January 2024 - January 2025*

- Developed AI-driven bioinformatics tools that enhanced genomic data analysis accuracy by 30% and efficiency by 15%.
- Designed high-performance backend for genomics data processing (Python, Node.js), enhancing system responsiveness.
- Engineered AI features to streamline data analysis pipelines, reducing manual interventions by 25% in genomics tasks.

### QUANTGRO WEALTH MANAGEMENT

*Sr Bioinformatics Software Engineer*

**Bangalore, KA, India**

*January 2023 - January 2024*

- Engineered ML models for genomics data, improving computational efficiency by 35% and data clarity by 40%.
- Developed real-time genomics processing pipeline, reducing analysis latency by 50%, enhancing data-driven insights.
- Led team implementing new algorithms for genomic data interpretation, expediting insight delivery by 30%.
- Deployed scalable back-end systems for bioinformatics data management, optimizing data performance and reliability.
- Built internal bioinformatics tools, enhancing data processing by 50% and reducing manual tasks by 45%.

### CHILL PANDA TECH

*Sr Bioinformatics Software Engineer*

**San Francisco, CA, USA**

*January 2022 - January 2023*

- Deployed genomics data architecture, achieving 99.9% uptime, and delivered prototype for biological analysis in 3 months.
- Engineered real-time sequencing data pipeline, processing \$1M+ worth of research data, onboarded 10 labs as clients.
- Integrated genomic interaction models, boosting data interpretation accuracy by 25%, reducing analysis queries by 40%.

- Developed dynamic data models, increasing research revenue by 30% through innovative data scaling and insights.
- Built modular microservices for bioinformatics, accelerating feature delivery by 50% for genomic research tools.
- Led full-stack development using React, Next.js, providing seamless access to biological data platforms.

## BYJUS

*Sr Bioinformatics Software Engineer*

**Palo Alto, CA, USA**

*January 2020 - January 2022*

- Led AI product strategy for bioinformatics tools, achieving 50% revenue growth through improved genomic solutions.
- Designed genomics-driven AI strategies, leveraging analytics for enhanced biological insights, maximizing research ROI.
- Managed end-to-end lifecycle of bioinformatics features, driving significant revenue through innovative data products.
- Integrated AI into bioinformatics logistics, ensuring robust data workflows and contributing to \$10M in value.
- Partnered with leadership to present AI-driven genomics insights, influencing strategic direction and decision-making.

## RIVIGO

*Sr Bioinformatics Software Engineer*

**Bangalore, KA, India**

*January 2016 - January 2018*

- Developed bioinformatics software supporting genomic data relay across global research networks, enhancing efficiency.
- Sole developer for sequencing module, facilitating 300K+ data entries, improving genomic research logistics efficiency.
- Led team in building dashboards for bioinformatics clients, enabling real-time data visualization and insights retrieval.

## ENTREPRENEURIAL VENTURES

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### PAISADB - PROP TRADING FIRM

*Founder (Started as side project)*

**Bangalore, KA, India**

*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

*Advisor and Consultant (Part-time)*

**Bangalore, KA, India**

*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)

*Chief Product & Technology Officer*

**San Francisco, CA, USA**

*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

*Fundamental analysis for Business Valuation*

**Kolkata, WB, India**

*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

*Portfolio management and optimization*

**Kolkata, WB, India**

*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