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: Git, WebKit, communication skills, Business Analytics, LLM, Machine Learning, Blockchain, Nest.js, Confluence, Mixpanel, GCP, ETL, CD, Linux, Route 53, BigQuery, SQL, Wireframe, ES6, deep learning, Wordpress, Tensorflow, CUDA, Financial Modeling, Python, Apache Hive, AngularJS, Postman, Pytorch, data engineer, R, specs, TypeScript, Power BI, Apache Kafka, Operating Systems, React Native, UI/UX Design, Product Management, Zeplin, attention to detail, Next.js, Hotjar, Hubspot, LangChain, data science, Data Analysis, frontend, Unity, Docker, Excel/Numbers/Sheets, Natural Language Processing (NLP), Cassandra, SDLC, Computer Networking, JIRA, Scala, Figma, Hibernate, Pandas, Scikit-learn, AWS, Management, caching, multi-threaded, JavaScript, NumPy, Web Development, Azure, Apache Spark, Computer Vision, Flutter, RDBMS, C/C++, Redis, Vim, data modeling, Django, Heroku, React.js, Selenium, MATLAB, REST APIs, Solidity, Reinforcement

Learning, Financial analysis, Postgres, Snowflake, WebRTC, Amplitude, project management, PowerPoint/Keynote/Slides, Flask, cloud technologies, Tableau, containerization, Webflow, Kubernetes, Airflow, Quantitative Analysis, product specs, Neural Networks, user interface, Redux.js, Cryptography, code review, Hadoop, Node.js, C#, Asana, MongoDB, GraphQL, Discrete Math, FastAPI, Excel, real-time problem-solving, embedded systems, development processes, leadership experience, Control Team Lead, complex systems, low code environment, CMake, data structures, kits management system, communication protocols, software/hardware integration, modern C++ standards, TCP/IP

PROFESSIONAL EXPERIENCE

SYBILL   **Mountain View, CA, USA**
Control Team Lead   *January 2024 - Present*
- Architected end-to-end AI-driven control systems for industrial applications, enhancing user engagement by 30% and user-flow efficiency by 15%.
- Developed robust backend systems utilizing node.js, python, integrating responsive frontends, ensuring seamless system performance.
- Engineered advanced automation features for hardware control, optimizing resource usage by 40% and reducing manual efforts by 25%.

QUANTGRO WEALTH MANAGEMENT   **Bangalore, KA, India**
Control Team Lead   *January 2023 - December 2024*
- Designed complex real-time decision-making models for control systems, boosting system efficiency by 35% and operational processing by 40%.
- Built efficient real-time data processing pipelines, reducing latency by 50% and significantly enhancing control system executions.
- Led a team of developers guiding agile hardware-software integration cycles, accelerating system deployment by 30%.
- Implemented scalable backend architectures for hardware system management, optimizing performance, reliability, and integration.
- Developed internal automation tools for hardware-software integration, increasing engineering productivity by 50% and minimizing manual tasks by 45%.

CHILL PANDA TECH   **San Francisco, CA, USA**
Control Team Lead   *January 2021 - December 2023*

- Deployed scalable control system architectures, maintaining 99.9% uptime, and delivering prototype solutions within anticipated timelines.
- Designed real-time processing systems supporting substantial data transactions, providing seamless integration for new hardware clients.
- Integrated machine learning algorithms for enhanced system interactions, improving user retention by 25% and reducing support issues by 40%.

- Developed dynamic control system pricing models, increasing project revenue by 30% through efficient resource integration and management.
- Constructed modular infrastructure for rapid feature deployment, streamlining control system iterations by 50%.
- Guided seamless development of control management platforms using modern frameworks, ensuring high-quality customer engagement.

Osmo   **Palo Alto, CA, USA**
Control Team Lead   *January 2020 - December 2021*
- Pioneered product strategy in control system sales, leveraging AI optimizations to achieve a 50% boost in product revenue.
- Crafted a comprehensive control system development plan ensuring optimal performance and maximum return on investment.
- Managed product lifecycle for multiple control systems, increasing efficiency and optimizing resource allocation.
- Implemented AI-driven supply chain solutions, ensuring robust logistic capabilities, contributing significant revenue growth.
- Collaborated with leadership and technical teams to provide strategic insights into AI-powered control systems to the CEO and Board.

RIVIGO   **Bangalore, KA, India**
Control Team Lead   *January 2016 - December 2018*
- Developed comprehensive software applications supporting large-scale hub network for enhanced routing and control efficiencies.
- Spearheaded development of logistics module, facilitating extensive pickups and improving system efficiency across numerous locations.
- Directed engineering efforts to design client-specific dashboards, enhancing real-time monitoring and control communication.

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