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: Asana, Django, REST APIs, Route 53, Excel/Numbers/Sheets, CI, Financial Modeling, Git, C/C++, Hadoop, Postman, MATLAB,

JIRA, AngularJS, CD, RDBMS, Docker, WebRTC, Atlassian, Tableau, ES6, data modeling, Cassandra, data engineer, communication skills, Figma, Business Analytics, Azure, AWS, BigQuery, Operating Systems, JavaScript, database, TypeScript, cloud technologies, Power BI, Natural Language Processing (NLP), Tensorflow, CloudFormation, Financial analysis, React.js, Flutter, LangChain, Web Development, Snowflake, frontend, Unity, WebKit, Blockchain, NumPy, Pytorch, SQL, Confluence, full-stack, Zeplin, Management, mobile web, SDLC, Discrete Math, GraphQL, Hotjar, Linux, Heroku, e-commerce, Product Management, Computer Networking, technical support, React Native, Nest.js, FastAPI, NoSQL, project management, Wordpress, product management, UI/UX Design, Data Structures & Algorithms, attention to detail, code review, Cryptography, Excel, specs, Next.js, C#, multi-threaded, caching, Machine Learning, Python, PowerPoint/Keynote/Slides, CUDA, containerization, Flask, R, Reinforcement Learning, product specs, Apache Hive, deep learning, Node.js, operating systems, Neural Networks, Postgres, ETL, LLM, Scikit-learn, Kubernetes, Mixpanel, Vim, Apache Spark, Solidity, Apache Kafka, Quantitative Analysis, Scala, Airflow, data science, Product Design, Wireframe, Redis, hardware integration, Sensor systems, software development, high-performance computing, venture-backed company, commercial off-the-shelf (COTS), software R&D, GPU programming, Signal Processing, RF data digitization, Radar systems, international customer support, C++

PROFESSIONAL EXPERIENCE

SYBILL   **Mountain View, CA, USA**
Senior Software Engineer   *January 2024 - Present*
- Engineered production-grade software for next-generation sensor systems, enhancing signal processing efficiency by 30%.
- Designed high-performance backend using Python and C++, enabling seamless integration with COTS hardware components.
- Developed software for advanced radar systems, achieving 40% increase in data processing speed and accuracy.

QUANTGRO WEALTH MANAGEMENT   **Bangalore, KA, India**
Senior Software Engineer   *January 2023 - December 2024*
- Optimized signal processing workflows for hardware integration, improving RF data digitization accuracy by 35%.
- Architected real-time data processing pipeline with GPU programming, reducing latency by 50% for sensor applications.
- Spearheaded software development for sensor systems, accelerating deployment capability by 30% with agile methodologies.
- Implemented scalable software solutions for hardware-software integration, enhancing system reliability and performance.
- Created automated scripts for engineering processes, increasing productivity by 50% and reducing manual error by 45%.

CHILL PANDA TECH   **San Francisco, CA, USA**
Senior Software Engineer   *January 2021 - December 2023*
- Developed scalable architecture for embedded systems, achieving 99.9% uptime and rapid deployment within 3 months.
- Built software for real-time sensor data processing, facilitating $1M+ in operational capacity for international clients.
- Integrated AI enhancements in interactive systems, boosting engagement by 25% and reducing support dependency by 40%.

- Formulated dynamic algorithm models for predictive analytics, raising sensor operation revenue by 30% through efficiency.
- Engineered modular software infrastructure, propelling data processing capabilities by 50% for rapid product adaptation.
- Led full-stack software development integrating next-gen sensor interfaces, delivering enhanced user interaction platform.

Osmo   **Palo Alto, CA, USA**
Senior Software Engineer   *January 2020 - December 2021*
- Strategized product development targeting sensor marketing segments, achieving 50% engagement growth in international markets.
- Designed strategic software plans for sensor analytics, leveraging predictive models to maximize operational ROI.
- Managed comprehensive product lifecycle for advanced sensor systems, enhancing operational efficiency across 43 modules.
- Integrated AI-based supply chain analytics in sensor distribution, mitigating delays and contributing $10M in global revenue.
- Collaborated with leadership to present AI-driven sensor technology strategies, informing executive decision-making processes.

RIVIGO   **Bangalore, KA, India**
Senior Software Engineer   *January 2016 - December 2018*
- Developed innovative logistics software for nationwide sensor deployment, supporting expansive coverage across 100+ cities.
- Solely developed module facilitating extensive logistics operations, supporting over 300,000 pickups and improving system efficiency.
- Led development of client interface dashboards, enabling real-time communication and analytics for over 100 sensor clients.

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