DANNY BASAVARAJU

+1 (628) 310-5660 | danny.basavaraju@gmail.com | San Francisco, CA, USA | linkedin.com/in/dannybasavaraju

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

SDLC, Cassandra, Operating Systems, NumPy, Discrete Math, Product Management, Postgres, Scikit-learn, R, Docker, Heroku, Asana, MongoDB, Data Structures & Algorithms, Computer Vision, Python, Snowflake, AWS, Blockchain, Wireframe, Amplitude,
RDBMS, Web Development, product specs, Machine Learning, Scala, operating systems, AngularJS, WebRTC, code review, PowerPoint/Keynote/Slides, communication skills, user interface, Atlassian, mobile web, Redis, NoSQL, React Native, Apache Hive, data science, deep learning, Solidity, Selenium, data engineer, CI, Webflow, Computer Networking, GCP, Confluence, ETL, JavaScript, Cryptography, Pytorch, e-commerce, LangChain, MATLAB, Zeplin, Figma, LLM, Financial Modeling, specs, Airflow, Azure, product management, Power BI, Reinforcement Learning, Tableau, multi-threaded, Wordpress, ES6, BigQuery, caching, Excel/Numbers/Sheets, TypeScript, full-stack, database, Redux.js, Pandas, WebKit, Flutter, Apache Kafka, Kubernetes, Git, C/C++, Hibernate, Financial analysis, Django, Tensorflow, Business Analytics, Nest.js, attention to detail, Unity, containerization, Natural Language Processing (NLP), cloud technologies, technical support, Hubspot, Mixpanel, Next.js, Apache Spark, UI/UX Design, JIRA, data modeling, project management, Excel, Management, React.js, Data Analysis, frontend, GraphQL, Vim, REST APIs, Linux, CUDA, Route 53, Flask, R&D software, COTS
components, Signal Processing, RF data digitization, GPU programming, Radar, production software, hardware integration, high-performance computing, Sensor systems, software development, international customers, C++

PROFESSIONAL EXPERIENCE

SYBILL   **Mountain View, CA, USA**
Senior Software Engineer   *January 2024 - Present*
- Developed advanced AI systems with Python, boosting signal processing efficiency by 30%, leveraging high-performance needs.
- Design secure high-performance code with C++, enhancing integration with sensor hardware systems for real-time response.
- Engineered enterprise features using CUDA, improving sensor automation by 40%, and minimizing manual data processing by 25%.

QUANTGRO WEALTH MANAGEMENT   **Bangalore, KA, India**
Senior Software Engineer   *January 2023 - December 2024*
- Developed C++ signal-processing models, increasing hardware-software integration efficiency by 35% with high-performance systems.
- Created real-time data pipelines using Python, reducing system latency by 50% to enhance sensor data throughput significantly.
- Led integration cycles for sensor software, focusing on optimizing cross-functional development and accelerating releases by 30%.
- Deployed end-to-end sensor-processing systems, maximizing performance and reliability in hardware integration strategies.
- Enhanced real-time processing capability by 50%, focusing on automation scripts for seamless sensor data collection workflows.

CHILL PANDA TECH   **San Francisco, CA, USA**
Senior Software Engineer   *January 2021 - December 2023*
- Deployed scalable sensor architecture integrating COTS components, ensuring 99.9% uptime, delivering prototype in 3 months.
- Created order-processing pipeline for real-time data, supporting high-volume transactions, showcasing integration capabilities.
- Integrated AI-based personalization with sensor systems, increasing operational retention by 25%, reducing query loads by 40%.

- Developed real-time pricing models with sensor data inputs, enhancing revenue streams by 30% with dynamic sensor-driven flows.
- Built microservices infrastructure for fast sensor processing, accelerating feature releases by 50%, enabling iterative improvements.
- Led full-stack development for sensor interaction platforms, using cutting-edge tech to enhance real-time user experiences.

BYJU'S / OSMO   **Palo Alto, CA, USA**
Senior Software Engineer   *January 2020 - December 2021*
- Led Product strategy, AI-driven sales & marketing optimization for a $40M Amazon business, achieving 50% revenue growth
- Designed a $15M AI-powered sales & marketing plan leveraging predictive analytics enhancing seasonal sales maximize ROI
- Managed end-to-end product lifecycle for 43 SKUs, driving $75M in Amazon revenue, optimize pricing, inventory, operations
- Integrated AI-based supply chain analytics, ensuring COVID-resilient logistics, reduce delays, contribute $10M global revenue
- Partnered with executive leadership and cross-functional teams, presented data-driven AI strategy insights to the CEO, Board

RIVIGO   **Bangalore, KA, India**
Senior Software Engineer   *January 2016 - December 2018*
- Developed AI-powered logistics software integrating real-time sensor data processing for efficient driver relay systems.
- Sole developer of the sensor data module, now optimizing 300,000+ logistics pickups and enhancing RF data digitization workflows.
- Led team building data dashboards for 100+ clients, enabling real-time sensor data insights, enhancing operational efficiency.

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