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

Skills: containerization, SDLC, Python, Financial analysis, REST APIs, CUDA, Confluence, GCP, Pandas, Postman, frontend, Product

Design, Nest.js, Hadoop, caching, Next.js, Cryptography, Wordpress, ETL, Asana, Scikit-learn, Atlassian, CloudFormation, Pytorch, RDBMS, e-commerce, project management, LLM, Excel, MongoDB, Tensorflow, WebKit, Hubspot, Financial Modeling,

JIRA, Hotjar, Hibernate, Apache Hive, Management, LangChain, Django, Natural Language Processing (NLP), React.js, GraphQL, Computer Vision, Power BI, ES6, Operating Systems, Snowflake, UI/UX Design, multi-threaded, Mixpanel, AWS, specs, AngularJS, Tableau, NoSQL, MATLAB, operating systems, user interface, Excel/Numbers/Sheets, CI, NumPy, WebRTC, Blockchain, TypeScript, R, SQL, Wireframe, JavaScript, Discrete Math, C#, mobile web, Figma, data science, Docker, Heroku, code review, Linux, PowerPoint/Keynote/Slides, data modeling, database, BigQuery, full-stack, FastAPI, Quantitative Analysis, Flutter, deep learning, Business Analytics, CD, Apache Spark, Machine Learning, Neural Networks, communication skills, Vim, product management, Azure, data engineer, product specs, Node.js, Git, Redis, Computer Networking, Unity, Redux.js, Flask, cloud technologies, C/C++, Cassandra, Reinforcement Learning, technical support, Product Management, Webflow, Web Development, Kubernetes, Airflow, unit and integration testing, microservices, automation, full-stack developer, cloud platform, GraphQL APIs, backend solutions, high-impact solutions, JavaScript frameworks, Senior C++/Python Engineer, Agile/Scrum, internal tools, RESTful APIs

PROFESSIONAL EXPERIENCE

SYBILL   **Mountain View, CA, USA**
Sr Software Engineer - C++ and Python   *January 2024 - Present*
- Architected scalable AI systems using Python, boosting user engagement by 30% and enhancing process efficiency by 15%.
- Designed secure, high-performance backend systems (C++, Python) with responsive frontends (React, Flask) for internal tools.
- Implemented AI-driven enterprise automation tools, reducing manual efforts by 25% and increasing efficiency by 40%.

QUANTGRO WEALTH MANAGEMENT   **Bangalore, KA, India**
Sr Software Engineer - C++ and Python   *January 2023 - December 2024*
- Developed C++ financial trading models, improving decision-making efficiency by 35% and reducing operational costs by 40%.
- Engineered Python data pipelines, reducing latency by 50% to enhance real-time financial data processing.
- Facilitated agile development cycles as tech lead, accelerating feature release timelines by 30%.
- Deployed Python microservices for fund management, optimizing system reliability and execution speed.
- Built Python automation scripts for internal use, enhancing engineering productivity by 50% and cutting manual intervention by 45%.

CHILL PANDA TECH   **San Francisco, CA, USA**

- Implemented scalable Python SaaS infrastructure with 99.9% uptime, delivering a working prototype in under 3 months.
- Developed asynchronous order processing system in Python, managing $1M+ transactions and onboarding 10 enterprise clients.
- Integrated AI-based user interaction models, increasing user retention by 25% and reducing support needs by 40%.

- Created Python-driven dynamic pricing tools, increasing client revenue by 30% via personalized user experiences.
- Built modular Python microservices, enabling 50% faster feature releases and accelerating iteration cycles.
- Spearheaded full-stack development using Python and React, delivering an improved internal dashboard experience.

Osmo   **Palo Alto, CA, USA**
Sr Software Engineer - C++ and Python   *January 2020 - December 2021*
- Directed AI-driven optimization strategies, achieving a 50% revenue increase in a $40M product line.
- Crafted AI-enhanced marketing plan using predictive analytics, generating $15M in seasonal sales.
- Managed Python project lifecycles for 43 SKUs, optimizing operations and contributing $75M in revenue.
- Integrated Python-based supply chain analytics, ensuring resilient logistics and generating $10M globally.
- Collaborated with executives and teams to present Python strategy insights to leadership, enhancing system efficiency.

RIVIGO   **Bangalore, KA, India**
Sr Software Engineer - C++ and Python   *January 2016 - December 2018*
- Developed Python logistics software, optimizing driver models across 100+ Indian cities.
- Solely developed logistics module in C++, facilitating 300,000+ pickups and improving efficiency across 100+ cities.
- Led a team to create real-time client dashboards, supporting 100+ clients with enhanced data access and insights.

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