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: SQL, Asana, React.js, Hibernate, BigQuery, Wireframe, Docker, Unity, full-stack, e-commerce, Selenium, Webflow, Management, C#, ES6, Business Analytics, Figma, Cryptography, data modeling, Apache Kafka, JIRA, Nest.js, Scala, Machine Learning, Web Development, Computer Vision, caching, LangChain, WebRTC, Apache Hive, operating systems, NoSQL, Power BI,
Data Analysis, frontend, Product Management, ETL, Heroku, C/C++, SDLC, Tableau, JavaScript, Excel, cloud technologies, Redis, product specs, MongoDB, React Native, Wordpress, REST APIs, deep learning, Blockchain, Vim, Airflow, Hotjar, Tensorflow, code review, MATLAB, GCP, Reinforcement Learning, data engineer, TypeScript, CD, NumPy, user interface, mobile web, CloudFormation, containerization, Solidity, RDBMS, Natural Language Processing (NLP), specs, Linux, Atlassian, Financial analysis, UI/UX Design, Python, GraphQL, communication skills, Amplitude, Next.js, Excel/Numbers/Sheets, Snowflake, Flutter, Cassandra, Route 53, Pandas, LLM, R, database, Pytorch, CI, Product Design, Postman, Discrete Math, Git, PowerPoint/Keynote/Slides, Kubernetes, technical support, Django, Neural Networks, Financial Modeling, Scikit-learn, FastAPI, Mixpanel, Azure, Hadoop, Operating Systems, Redux.js, AWS, WebKit, Confluence, data science, product management, Computer Networking, machine learning, customer insights, product roadmap, relocate to San Francisco, algorithms, pipelines, GD&T, computational geometry, CAD, reinforcement learning, mechanical engineering, Boundary Representation, optimization, C++

PROFESSIONAL EXPERIENCE

SYBILL   **Mountain View, CA, USA**
Senior Product Engineer, Applied AI   *January 2024 - Present*
- Engineered production-grade AI systems using reinforcement learning, achieving a 30% user engagement rise and 15% workflow efficiency boost.
- Designed highly secure and high-performance backend using C++ and CAD kernels with interactive frontends, optimizing data modeling processes.
- Developed AI-enhanced enterprise features, boosting automation in engineering tasks by 40% and reducing manual workload by 25%.

QUANTGRO WEALTH MANAGEMENT   **Bangalore, KA, India**
Senior Product Engineer, Applied AI   *January 2023 - December 2024*
- Utilized reinforcement learning for financial models, enhancing decision-making accuracy by 35% and operational productivity by 40%.
- Implemented real-time data processing with low-latency pipelines, reducing latency by 50% and improving AI execution speed significantly.
- Accelerated agile development cycles by 30% as a lead engineer, integrating reinforcement learning to fast-track feature releases.

- Deployed scalable backend systems for strategic CAD operations, advancing computational reliability with robust CAD kernel performance.
- Created internal engineering automation tools, boosting AI workflow productivity by 50% and cutting manual intervention by 45%.

CHILL PANDA TECH   **San Francisco, CA, USA**
Senior Product Engineer, Applied AI   *January 2021 - December 2023*

- Architected scalable SaaS platforms for CAD applications, ensuring 99.9% uptime and delivering a robust prototype within 3 months.
- Engineered real-time order processing systems for CAD solutions, managing $1M+ in transactions and onboarding 10+ enterprise clients.
- Integrated AI-based user experiences, enhancing customer retention by 25% and lowering support queries by 40% with personalized solutions.

- Developed adaptive pricing models using AI, elevating client revenue by 30% through tailored engineering service frameworks.
- Constructed a modular CAD infrastructure, speeding up feature delivery by 50% and enabling agile product iterations.
- Directed full-stack development employing CAD for seamless engineering platform deployment, enhancing customer interaction.

Osmo   **Palo Alto, CA, USA**
Senior Product Engineer, Applied AI   *January 2020 - December 2021*
- Led AI-driven product strategies, optimizing workflows for a $40M engineering business, achieving a 50% growth in CAD-related outputs.
- Devised a $15M AI-focused engineering plan with predictive algorithms, maximizing ROI through seasonal CAD demand strategies.
- Guided product lifecycle for 43 engineering SKUs, generating $75M in revenue by optimizing CAD parameters and logistics operations.
- Implemented AI for supply chain resilience during COVID, securing $10M revenue through adaptive logistics in engineering contexts.
- Collaborated with CXOs to present AI strategies using CAD data, delivering insights into the primary decision-making processes.

RIVIGO   **Bangalore, KA, India**
Senior Product Engineer, Applied AI   *January 2016 - December 2018*
- Developed AI-driven logistics across India, enabling an innovative relay model, improving system-wide performance in 100+ cities.
- Solely developed CAD-integrated logistics module, managing 300,000+ pickups, drastically improving delivery efficiency.
- Led the engineering of client dashboards with real-time CAD insights, benefiting 100+ clients through an enhanced messaging platform.

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**

- 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