

DANNY BASAVARAJU

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EDUCATION

Indian Institute of Management Calcutta

MBA, Management Engineering

August 2018 - May 2020

GPA: 3.7

Indian Institute of Technology Delhi (IITD)

Bachelor's, Computer Science

August 2012 - May 2016

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

Postman, project management, e-commerce, Route 53, Next.js, CI, ES6, Pandas, Amplitude, AngularJS, Product Design, REST APIs, Asana, Snowflake, Wireframe, Figma, Financial Modeling, Atlassian, Cryptography, code review, Pytorch, LLM, Zeplin, frontend, Postgres, Kubernetes, WebKit, Computer Vision, Natural Language Processing (NLP), data engineer, Node.js, Mixpanel, PowerPoint/Keynote/Slides, GCP, Webflow, Flutter, Azure, TypeScript, cloud technologies, UI/UX Design, Financial analysis, Blockchain, Docker, R, Apache Kafka, SDLC, full-stack, React.js, JavaScript, technical support, CloudFormation, Unity, Neural Networks, Operating Systems, Machine Learning, Data Analysis, MATLAB, Redux.js, Hibernate, Solidity, product management, Git, Excel, multi-threaded, Web Development, operating systems, Excel/Numbers/Sheets, attention to detail, Heroku, NoSQL, CD, Vim, Python, FastAPI, JIRA, communication skills, Apache Spark, Confluence, caching, Computer Networking, data science, AWS, Management, containerization, specs, Scikit-learn, Data Structures & Algorithms, Power BI, GraphQL, ETL, Airflow, Flask, Wordpress, Discrete Math, product specs, Scala, Django, CUDA, Nest.js, data modeling, database, C/C++, Cassandra, Hadoop, MongoDB, user interface, BigQuery, Tableau, deep learning, C#, Linux, Hotjar, Business Analytics, Tensorflow, Quantitative Analysis, WebRTC, Embedded Software Engineer, manufacturing systems, diagnostics, sensor fusion, 3D printing, Rust, real-time embedded systems, FPGA, closed-loop control, machine instruction interfaces, data acquisition, system synchronization, object-oriented programming

PROFESSIONAL EXPERIENCE

SYBILL

Senior Embedded Software Engineer

Mountain View, CA, USA

January 2024 - Present

- Developed scalable real-time systems for embedded applications, enhancing system responsiveness by 30% and efficiency by 15%
- Architected secure, high-performance C/C++ embedded backends, integrating seamlessly with front-end interfaces for robust control
- Engineered complex systems to automate control processes, boosting operational accuracy by 40% and reducing manual interventions by 25%

QUANTGRO WEALTH MANAGEMENT

Senior Embedded Software Engineer

Bangalore, KA, India

January 2023 - December 2024

- Engineered real-time embedded models for process optimization, improving operational decision metrics by 35% and efficiency by 40%
- Developed real-time sensor data acquisition pipeline, reducing processing latency by 50% to improve embedded system synchronization
- Led agile cross-functional team of 5, optimizing embedded control software, speeding up system update cycles by 30%
- Deployed robust end-to-end embedded backends for control systems, optimizing system reliability and performance
- Built diagnostic tools, automated scripts enhancing process control productivity by 50%, reducing manual calibration by 45%

CHILL PANDA TECH

Senior Embedded Software Engineer

San Francisco, CA, USA

January 2021 - December 2023

- Deployed scalable embedded systems architecture, ensuring 99.9% operational uptime, rapidly delivering prototypes in 3 months
- Engineered real-time order processing embedded systems, supporting over \$1M transactions and enhancing client onboarding

- Integrated real-time intelligent interfaces, enhancing system retention by 25% and reducing support discrepancies by 40%

- Developed algorithmic models for dynamic process control, optimizing system output by 30% with adaptive real-time settings
- Built modular embedded infrastructure, accelerating control system deployments by 50% enabling rapid iteration and improvement
- Led development of system interfaces, offering seamless integration with runtime environments for enhanced client engagement

BYJU'S / OSMO

Senior Embedded Software Engineer

Palo Alto, CA, USA

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

Senior Embedded Software Engineer

Bangalore, KA, India

January 2016 - December 2018

- Developed AI-driven embedded logistics systems, enhancing operational efficiencies in relay models across 100+ cities
- Spearheaded development of the Pickups module, optimizing 300,000+ operations, boosting logistics efficiency
- Led team of 3 to build client interfaces, enabling real-time data visualization and insights for process optimization

ENTREPRENEURIAL VENTURES

PAISADB - PROP TRADING FIRM

Founder (Started as side project)

Bangalore, KA, India

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

Advisor and Consultant (Part-time)

Bangalore, KA, India

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)

Chief Product & Technology Officer

San Francisco, CA, USA

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

Fundamental analysis for Business Valuation

Kolkata, WB, India

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

Portfolio management and optimization

Kolkata, WB, India

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