

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

Skills: Scikit-learn, user interface, CD, specs, RDBMS, React Native, product specs, Product Design, data modeling, multi-threaded, NumPy, Apache Spark, full-stack, Quantitative Analysis, CUDA, Data Analysis, data science, ES6, REST APIs, Hibernate, TypeScript, GraphQL, Scala, AngularJS, e-commerce, Snowflake, Kubernetes, Excel, containerization, Solidity, JIRA, code review, Web Development, C#, database, C/C++, React.js, Computer Networking, Neural Networks, Hubspot, Product Management, WebRTC, Git, Figma, LLM, Pytorch, ETL, product management, Redux.js, Natural Language Processing (NLP), CI, Data Structures & Algorithms, CloudFormation, Machine Learning, Postman, NoSQL, Atlassian, Management, WebKit, Business Analytics, data engineer, Azure, Heroku, cloud technologies, GCP, Unity, Cassandra, Mixpanel, BigQuery, Amplitude, Blockchain, Apache Kafka, Postgres, Power BI, Financial analysis, Route 53, technical support, FastAPI, Computer Vision, Docker, Linux, Operating Systems, AWS, Airflow, Wireframe, Apache Hive, communication skills, Pandas, Node.js, UI/UX Design, Cryptography, Wordpress, deep learning, MongoDB, PowerPoint/Keynote/Slides, Reinforcement Learning, frontend, LangChain, mobile web, Asana, SDLC, Discrete Math, Nest.js, caching, Confluence, Webflow, Redis, R, Vim, operating systems, Zeplin, project management, Django, Flask, attention to detail, PCIe Architecture, Visual Studio, security aspects, PCI Express (PCIe) protocol, virtualization technologies, Windows Kernel Programming, WinDbg, Stub Drivers, Windows Driver Development, Windows API, Driver Development Tools, Windows Driver Kit, Windows Driver Model, firmware development

PROFESSIONAL EXPERIENCE

SYBILL

Device Driver Engineer for Windows
Present

Mountain View, CA, USA
January 2024 -

- Developed a scalable, production-grade AI systems, driving a 30% boost user engagement and 15% user-flow efficiency gains
- Designed secure, governable, high-performance backend (node.js, express.js, python) with responsive frontends (react, next.js)
- Engineered complex AI-powered enterprise features, increasing automation by 40%, 25% manual effort reduction for clients

QUANTGRO WEALTH MANAGEMENT

Device Driver Engineer for Windows
2024

Bangalore, KA, India
January 2023 - December

- Engineered AI/ML-driven financial trading models, improving decision-making by 35% and operational efficiency by 40%
- Developed real-time data processing pipeline, reduces latency by 50% significantly enhancing AI-powered financial execution
- Led cross-functional engineering team of 5 developers, driving agile development cycles accelerating feature releases by 30%
- Deployed end-to-end scalable backend systems for fund management - strategy execution, optimizing performance, reliability
- Built internal tooling, automation scripts enhancing engineering productivity by 50%, reducing manual intervention by 45%

CHILL PANDA TECH

Device Driver Engineer for Windows
2023

San Francisco, CA, USA
January 2021 - December

- Deployed scalable SaaS architecture, enabling multi-tenant support and ensuring 99.9% uptime, deliver prototype in 3 months

- Engineered real-time order processing pipeline, supporting \$1M+ in transactions, onboarded 10 enterprise clients successfully
- Integrated OpenAI GPT-based personalized interactions, boosting user retention by 25%, reducing support queries by 40%

- Developed AI-powered dynamic pricing models, increasing client revenue by 30% through personalized displays, order flows
- Built a modular microservices-based infrastructure, accelerating feature releases by 50% and enabling rapid product iteration
- Led full-stack development using React, Nextjs, delivering a seamless omnichannel customer engagement platform experience

Osmo

*Device Driver Engineer for Windows
2021*

Palo Alto, CA, USA
January 2020 - December

- 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

*Device Driver Engineer for Windows
2018*

Bangalore, KA, India
January 2016 - December

- Developed AI-logistics software for a Pan-India hub network, supporting innovative driver relay model across 100+ cities
- Sole developer of Pickups module, now facilitating 300,000+ pickups across 100+ cities, improving logistics deliver efficiency
- Led a 3-member engineering team to build client dashboards for 100+ clients, enabling real-time messaging, tracking, insights

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