

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

Python, Wireframe, CUDA, CI, Computer Vision, CD, Hibernate, Asana, MATLAB, Route 53, Management, Next.js, Pytorch, Postman, LangChain, Flutter, multi-threaded, Data Structures & Algorithms, Confluence, Quantitative Analysis, Figma, mobile web, Apache Spark, code review, product specs, cloud technologies, SDLC, GCP, Node.js, Postgres, Reinforcement Learning, Git, GraphQL, React.js, specs, Financial analysis, data engineer, Selenium, caching, data modeling, Mixpanel, Heroku, Webflow, data science, Apache Kafka, Hotjar, product management, Discrete Math, Financial Modeling, Vim, Data Analysis, WebRTC, Kubernetes, Business Analytics, Atlassian, JavaScript, Azure, Hadoop, FastAPI, Operating Systems, Cryptography, NumPy, REST APIs, SQL, Excel/Numbers/Sheets, Tensorflow, BigQuery, Solidity, communication skills, technical support, Excel, e-commerce, NoSQL, R, project management, deep learning, Scikit-learn, Machine Learning, C/C++, PowerPoint/Keynote/Slides, JIRA, Web Development, Product Design, Cassandra, database, user interface, LLM, Redis, containerization, full-stack, Pandas, MongoDB, Scala, React Native, Wordpress, Unity, Computer Networking, RDBMS, Linux, frontend, Power BI, Django, operating systems, Docker, TypeScript, UI/UX Design, Natural Language Processing (NLP), attention to detail, Nest.js, Redux.js, Airflow, Product Management, Zeplin, Flask, Apache Hive, Hubspot, ES6, Amplitude, backend development, microservices, performance optimization, Staff Engineer, distributed systems, Django/Flask, global payment processing, agile environment, cloud-native solutions, scalability, RESTful APIs

PROFESSIONAL EXPERIENCE

SYBILL

Senior Software Engineer

Mountain View, CA, USA

January 2024 - January 2025

- Enhanced AI-driven backend systems in Python and Django, driving 30% increase in transaction efficiency and engagement.
- Architected secure, high-performance Python backend aligning with microservices architecture, ensuring resilience and scalability.
- Implemented complex AI features with a focus on automation, reducing manual intervention by 25% and increasing system efficiency.

QUANTGRO WEALTH MANAGEMENT

Senior Software Engineer

Bangalore, KA, India

January 2023 - January 2024

- Engineered Python-based models improving decision accuracy by 35%, leading to a 40% boost in trading operations efficiency.
- Designed low-latency data pipelines increasing transaction speed by 50%, aligning with high-performance payment systems.
- Directed a team in Agile practices, enhancing release cycles by 30%, reflecting proficient leadership in software delivery.
- Developed scalable backend systems focused on financial strategies, ensuring high reliability and optimized transaction handling.
- Created automation tools reducing manual tasks by 45% and boosting development productivity by enhancing efficiency.

CHILL PANDA TECH

Senior Software Engineer

San Francisco, CA, USA

January 2022 - January 2023

- Deployed high-availability SaaS architecture ensuring 99.9% uptime, facilitating seamless global payment solutions delivery.
- Engineered real-time processing pipelines supporting \$1M in transactions, aligning with rapid financial service scalability.
- Integrated AI for personalized interactions, enhancing user experience by 25% and reducing customer service inquiries significantly.

- Crafted dynamic pricing algorithms boosting revenue by 30%, reflecting expertise in transaction-driven AI solutions.
- Built microservices infrastructure enabling rapid development cycles and enhancing deployment speed by 50%.
- Led full-stack development using React, Nextjs, delivering a seamless omnichannel customer engagement platform experience

BYJUS

Senior Software Engineer

Palo Alto, CA, USA

January 2020 - January 2022

- Led AI-driven strategies for enhanced digital commerce, achieving 50% revenue growth in a competitive global market.
- Designed AI-powered marketing strategies that optimized e-commerce sales and maximized return on investment.
- Managed full product lifecycle for multiple SKUs, achieving substantial revenue through strategic pricing and logistics optimization.
- Integrated AI analytics to mitigate logistics challenges, ensuring seamless, resilient supply chains during global disruptions.
- Collaborated on strategic product presentations to executive leadership, demonstrating insights with impactful results.

RIVIGO

Senior Software Engineer

Bangalore, KA, India

January 2016 - January 2018

- Developed scalable logistics software leveraging AI technologies to optimize nation-wide delivery networks effectively.
- Single-handedly developed a mission-critical module facilitating efficient operations for over 300,000 pickups across India.
- Led development of client dashboards, enabling access to real-time data and insights, crucial for informed decision-making.

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