

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

frontend, Cryptography, technical support, specs, Operating Systems, Flask, BigQuery, Flutter, e-commerce, JavaScript, Power BI, Excel/Numbers/Sheets, Scala, project management, Unity, product management, Node.js, multi-threaded, CI, Hotjar, Computer Networking, SQL, Hadoop, Discrete Math, WebRTC, FastAPI, R, full-stack, MATLAB, Heroku, Product Management, Financial analysis, Next.js, Linux, Data Analysis, React.js, communication skills, Business Analytics, Apache Kafka, CUDA, data science, cloud technologies, Airflow, ETL, Figma, data modeling, Tableau, Financial Modeling, Postman, operating systems, Management, data engineer, NoSQL, Django, Pandas, GraphQL, Azure, deep learning, Hubspot, Webflow, ES6, Product Design, Docker, JIRA, Redux.js, Selenium, Route 53, GCP, caching, Atlassian, REST APIs, Reinforcement Learning, Excel, Tensorflow, Vim, Apache Hive, Asana, Wireframe, Natural Language Processing (NLP), TypeScript, C#, SDLC, product specs, attention to detail, Neural Networks, AWS, user interface, Snowflake, Confluence, Hibernate, Computer Vision, Blockchain, CD, RDBMS, Apache Spark, Solidity, Wordpress, Postgres, Data Structures & Algorithms, Scikit-learn, Zeplin, containerization, code review, Mixpanel, Nest.js, Machine Learning, LangChain, CloudFormation, MongoDB, mobile web, Redis, Python, LLM, Kubernetes, AngularJS, Swift, LTE, Xcode, Alamofire, WiFi communications, Agile software development, TestFlight, cloud computing, App Store Connect, GIS, API integrations, ArcGIS, iOS Software Engineer, UIKit

PROFESSIONAL EXPERIENCE

SYBILL

Senior Software Engineer iOS Mobile Application Developer

Mountain View, CA, USA

January 2024 - January 2025

- Developed scalable AI-driven mobile field applications, enhancing emergency response capabilities by 30% for public safety.
- Designed secure and high-performance backend solutions using Node.js and Express.js, integrating seamlessly with mobile UIs.
- Implemented AI-based automation for iOS apps, reducing manual data entry by 25% and streamlining first responder workflows.

QUANTGRO WEALTH MANAGEMENT

Senior Software Engineer iOS Mobile Application Developer

Bangalore, KA, India

January 2023 - January 2024

- Engineered real-time analytics models for iOS apps, improving decision-making in public safety responses by 35%.
- Developed a real-time data pipeline for mobile dispatch apps, reducing communications latency by 50% for field operations.
- Led a team adapting agile methods for mobile app feature rollouts, accelerating public safety solution releases by 30%.
- Deployed backend systems for resource management, enhancing mobile fleet management a high reliability environments.
- Built internal mobile development tools, boosting iOS app deployment efficiency by 50%, reducing manual configurations.

CHILL PANDA TECH

Senior Software Engineer iOS Mobile Application Developer

San Francisco, CA, USA

January 2022 - January 2023

- Deployed scalable infrastructure for iOS applications, ensuring 99.9% uptime for critical public safety communication apps.
- Engineered real-time dispatch processing for mobile apps, supporting seamless emergency response across multiple agencies.
- Integrated GIS-based personalized navigation in iOS apps, improving first responder route efficiency and response times.

- Developed real-time location-based analytics models, increasing situational awareness for emergency response teams by 30%.
- Built modular microservices architecture for mobile apps, accelerating feature iterations and device integration capabilities.
- Led full-stack iOS app development for cross-platform tools, enhancing field operation efficiency with intuitive user interfaces.

BYJUS

Palo Alto, CA, USA

Senior Software Engineer iOS Mobile Application Developer

January 2020 - January 2022

- Led product strategy for iOS-based public safety apps, achieving a 50% increase in operational efficiency and response speed.
- Designed predictive analytics tools within iOS apps, enhancing emergency service deployment and maximizing strategic ROI.
- Managed iOS application lifecycle for 43 modules, optimizing deployment, updates, and field integration for \$75M operations.
- Integrated resilient supply chain analytics into mobile apps, reducing operational delays and enhancing \$10M service revenue.
- Collaborated on iOS app feature innovation, presenting AI strategies to enhance public safety to executive teams.

RIVIGO

Bangalore, KA, India

Senior Software Engineer iOS Mobile Application Developer

January 2016 - January 2018

- Developed iOS logistics app capabilities for wide-area response, optimizing resource relay across 100+ urban locations.
- Solely developed mobile module supporting 300,000+ logistics pickups, improving efficiency in large-scale operations.
- Led team to create client-facing iOS dashboards, enabling real-time insights and messaging for emergency management teams.

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