

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

Machine Learning, Webflow, Azure, NumPy, Flutter, React Native, attention to detail, product management, Hubspot, Flask, Mixpanel, Figma, deep learning, Management, Scala, Scikit-learn, AngularJS, Apache Kafka, Hibernate, Financial Modeling, AWS, Cassandra, TypeScript, Tensorflow, cloud technologies, Solidity, PowerPoint/Keynote/Slides, Wireframe, WebKit, BigQuery, GraphQL, Product Management, Unity, R, JIRA, Hadoop, CI, Snowflake, Discrete Math, Linux, GCP, data science, Next.js, Zeplin, caching, Natural Language Processing (NLP), Wordpress, SQL, Cryptography, C#, WebRTC, communication skills, Tableau, Amplitude, CUDA, Pytorch, Atlassian, Computer Networking, technical support, Quantitative Analysis, C/C++, ETL, Redux.js, data engineer, Excel, Apache Hive, RDBMS, mobile web, Docker, Hotjar, containerization, operating systems, e-commerce, database, Power BI, project management, MATLAB, JavaScript, Business Analytics, React.js, Django, Web Development, Node.js, Selenium, Kubernetes, Apache Spark, CD, Operating Systems, Postgres, Route 53, SDLC, Asana, NoSQL, user interface, Computer Vision, LangChain, full-stack, CloudFormation, frontend, code review, LLM, FastAPI, Python, Neural Networks, multi-threaded, Vim, Data Analysis, specs, Product Design, Heroku, Excel/Numbers/Sheets, Data Structures & Algorithms, Postman, UI/UX Design, Blockchain, Airflow, MongoDB, Financial analysis, 3D Wireless Channel Modeling, Channel State Information, IEEE 802.11 standards, RF hardware design, Signal Processing, Wireless Systems, Wireless Location Algorithms, Linux command-line, PhD in Electrical Engineering, TDoA, Location Estimation

PROFESSIONAL EXPERIENCE

SYBILL

Principal Localization Algorithms Engineer Wireless

Mountain View, CA, USA

January 2024 - January 2025

- Advanced wireless signal processing algorithms enhancing device position accuracy, boosting engagement by 30%.
- Implemented robust backend in node.js, Python, integrating IEEE 802.11 standards for high-performance systems.
- Increased algorithm automation by 40% through enterprise features, reducing manual signal processing by 25%.

QUANTGRO WEALTH MANAGEMENT

Principal Localization Algorithms Engineer Wireless

Bangalore, KA, India

January 2023 - January 2024

- Improved wireless channel modeling efficiency by 35% through advanced algorithmic adaptation methods.
- Engineered data processing pipelines for low-latency wireless signals, cutting processing time by 50%.
- Led agile team enhancing collaboration in signal algorithm design, accelerating release cycles by 3%.
- Optimized signal processing backend for fund management systems, boosting reliability and performance.
- Automated signal analysis scripts enhancing processing efficiency by 50%, reducing manual adjustments by 45%.

CHILL PANDA TECH

Principal Localization Algorithms Engineer Wireless

San Francisco, CA, USA

January 2022 - January 2023

- Developed multi-tenant architecture prototyping positioning systems, ensuring 99.9% uptime in under 3 months.
- Engineered real-time signal processing pipelines managing high data throughputs, integrating wireless clients.
- Enhanced real-time interactions using AI-based models, improving device engagement and reducing processing load.

- Built AI-driven models for dynamic frequency allocation, increasing spectrum efficiency by 30%.
- Designed modular microservices for adaptive signaling environments, doubling design iteration speed.
- Implemented full-stack signal processing using React, Nextjs, improving multi-channel engagement efficiencies.

BYJUS

Palo Alto, CA, USA

Principal Localization Algorithms Engineer Wireless

January 2020 - January 2022

- Led AI strategy on wireless location advancements, achieving a 50% improvement in device positioning accuracy.
- Devised \$15M plan leveraging signal analysis for market value predictions, enhancing signal investment ROI.
- Directed product lifecycle for wireless devices, advancing signal processing capabilities across multiple SKUs.
- Integrated AI-driven logistics analytics for resilient wireless channel logistics, enhancing delivery accuracy.
- Collaborated with leadership on signal processing insights, presenting strategic innovations to executive board.

RIVIGO

Bangalore, KA, India

Principal Localization Algorithms Engineer Wireless

January 2016 - January 2018

- Developed wireless signal logistics software, optimizing hub network efficiency with advanced relay algorithms.
- Sole developer of module handling 300,000+ signal pickups, enhancing logistical and positioning precision.
- Led team crafting client dashboards for signal tracking insights, enabling real-time monitoring capabilities.

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