

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

Linux, Mixpanel, frontend, RDBMS, Solidity, Zeplin, full-stack, Next.js, code review, Heroku, Confluence, Atlassian, Data Structures & Algorithms, WebKit, React Native, React.js, Vim, Nest.js, FastAPI, Kubernetes, GCP, Computer Vision, AWS, MongoDB, Discrete Math, Python, e-commerce, Django, Asana, Business Analytics, containerization, Cassandra, Blockchain, database, REST APIs, BigQuery, NumPy, Azure, multi-threaded, Apache Hive, product management, technical support, Flutter, Hibernate, Hadoop, SDLC, data modeling, operating systems, CI, Pytorch, Tensorflow, R, GraphQL, Apache Kafka, specs, Snowflake, Web Development, CUDA, Natural Language Processing (NLP), Excel/Numbers/Sheets, Figma, cloud technologies, CD, Flask, AngularJS, Excel, PowerPoint/Keynote/Slides, Reinforcement Learning, Scala, Airflow, Cryptography, Route 53, TypeScript, user interface, C/C++, Postgres, Pandas, Scikit-learn, project management, attention to detail, ES6, Redux.js, Unity, Financial analysis, Node.js, Product Design, JavaScript, product specs, Machine Learning, Wireframe, CloudFormation, Power BI, Quantitative Analysis, Webflow, deep learning, Computer Networking, Postman, caching, Docker, ETL, Hubspot, LangChain, Wordpress, Apache Spark, Product Management, C#, JIRA, MATLAB, WebRTC, mobile web, Neural Networks, Selenium, Tableau, NoSQL, encryption, board support packages, socket programming, Embedded Software Engineer, real-time programming, networking protocols, IP networking protocols, cross-functional teams, C programming, Linux-based drivers, embedded Linux development, SoC platforms, security protocols, wireless communication systems, kernel-level driver development

PROFESSIONAL EXPERIENCE

SYBILL

Senior Embedded Software Engineer

Mountain View, CA, USA

January 2024 - January 2025

- Optimized embedded Linux systems for scalable firmware, achieving 30% faster process cycles and 15% efficiency gains.
- Developed high-security, high-performance firmware using C for ARM architecture, enhancing system resilience.
- Increased protocol automation by 40% with embedded software designs, reducing manual intervention by 25%.

QUANTGRO WEALTH MANAGEMENT

Senior Embedded Software Engineer

Bangalore, KA, India

January 2023 - January 2024

- Developed secure network protocols for data transmission, enhancing system security and protocol efficiency by 40%.
- Optimized real-time embedded processing, cutting latency by 50% for improved system response in critical applications.
- Led development cycles to boost embedded software performance, accelerating protocol integration by 30%.
- Implemented reliable embedded communication systems, ensuring performance and security in data-driven frameworks.
- Enhanced testing and diagnostic scripting automation, increasing system testing throughput by 50%.

CHILL PANDA TECH

Senior Embedded Software Engineer

San Francisco, CA, USA

January 2022 - January 2023

- Developed real-time protocol processing for high-traffic systems, ensuring 99.9% uptime and swift prototyping.
- Integrated secure embedded features supporting high-value transactions, successfully enhancing client systems.
- Increased system retention by 25% with integration of adaptive protocols, reducing support queries by 40%.

- Optimized embedded system algorithms for dynamic adjustments, driving revenue increases through enhanced flows.
- Implemented modular system frameworks, enabling accelerated feature rollouts and iterative product development.
- Enhanced cross-platform system interface, ensuring seamless user interactions and robust communication layers.

BYJUS

Senior Embedded Software Engineer

Palo Alto, CA, USA

January 2020 - January 2022

- Orchestrated AI-driven protocol strategies for embedded systems, attaining 50% revenue growth via enhanced efficiency.
- Devised strategic protocol plans utilizing analytics, optimizing real-time system adjustments to maximize ROI.
- Managed lifecycle protocols for advanced systems, ensuring alignment with security standards and maximizing outputs.
- Incorporated resilient supply chain and embedded analytics, ensuring regulation adherence and reliable logistics.
- Provided executive leadership with insights into advanced embedded systems, influencing major strategic decisions.

RIVIGO

Senior Embedded Software Engineer

Bangalore, KA, India

January 2016 - January 2018

- Engineered embedded software for logistics systems, supporting innovative network models across a vast geographic area.
- Sole architect of critical communication modules, enhancing logistical systems and achieving vast operational outreach.
- Led micro-team in deploying client-oriented interfaces, advancing real-time communication and data analytics efficiency.

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