DANNY BASAVARAJU

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EDUCATION

Indian Institute of Management Calcutta   **August 2018 - May 2020**
MBA, Management Engineering   *GPA: 3.7*

Indian Institute of Technology Delhi (IITD)   **August 2012 - May 2016**
Bachelor's, Computer Science   *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: JIRA, Zeplin, Operating Systems, cloud technologies, Vim, code review, Flutter, data engineer, Redux.js, JavaScript, RDBMS, AWS, Machine Learning, Atlassian, SDLC, Scala, Tableau, CI, Scikit-learn, R, technical support, FastAPI, specs, e-commerce, Hadoop, Apache Hive, Nest.js, Cryptography, product specs, product management, containerization, Figma, frontend, data modeling, Excel, operating systems, Tensorflow, Hotjar, deep learning, full-stack, NumPy, Linux, AngularJS, Natural Language Processing (NLP), Wordpress, communication skills, Wireframe, Reinforcement Learning, Git, Selenium, Confluence, project management, Asana, Redis, Node.js, Azure, Product Management, mobile web, C/C++, React Native, REST APIs, WebKit, Django, Next.js, Cassandra, NoSQL, Computer Vision, MATLAB, Quantitative Analysis, Pytorch, Heroku, Data Structures & Algorithms, Web Development, Postman, database, C#, Pandas, React.js, Webflow, Data Analysis, data science, Kubernetes, Business Analytics, Discrete Math, Snowflake, Postgres, Financial Modeling, CloudFormation, Product Design, multi-threaded, Amplitude, ETL, MongoDB, Neural Networks, Airflow, Blockchain, Flask, user interface, LLM, Hubspot, Hibernate, UI/UX Design, Python, Apache Spark, Apache Kafka, caching, LangChain, ES6, Computer Networking,
Mixpanel, attention to detail, Route 53, CD, BigQuery, CUDA, Excel/Numbers/Sheets, Android kernel, hardware components, design, cross-functional teams, WiFi Software Engineer, WiFi software systems, troubleshooting, system performance, regulatory standards, programming, field testing, testing, embedded systems

PROFESSIONAL EXPERIENCE

SYBILL   **Mountain View, CA, USA**
Senior WiFi Software Engineer   *January 2024 - Present*
- Engineered WiFi network systems, enhancing connectivity performance by 30% and ensuring robust user engagement metrics.
- Designed Linux kernel-level interfaces for WiFi modules, ensuring high-performance, secure, and compliant system integration.
- Developed WiFi feature enhancements, reducing network troubleshooting tasks by 25% through strategic firmware updates.

QUANTGRO WEALTH MANAGEMENT   **Bangalore, KA, India**
Senior WiFi Software Engineer   *January 2023 - December 2024*
- Optimized WiFi software algorithms for RF devices, boosting signal processing efficiency by 40% and improving decision-making speed.
- Implemented real-time troubleshooting tools for WiFi networks, reducing issue resolution time by 50% and enhancing field tests.
- Led design and deployment of WiFi protocol layers, accelerating system integration timelines by 30% for multi-device environments.
- Deployed end-to-end WiFi backend systems on Linux environments, optimizing performance and reliability for cross-platform compatibility.
- Built diagnostic tools for embedded WiFi systems, increasing engineering productivity by 50% and minimizing manual interventions.

CHILL PANDA TECH   **San Francisco, CA, USA**
Senior WiFi Software Engineer   *January 2021 - December 2023*
- Architected scalable WiFi software frameworks, guaranteeing 99.9% uptime and enabling rapid deployment within 3-month

timelines.
- Engineered high-throughput WiFi data pipelines, supporting $1M+ transactions and facilitating seamless integration for numerous clients.
- Integrated advanced troubleshooting scripts, reducing support queries by 40% and enhancing user engagement by 25% through tailored solutions.

- Developed WiFi network assessment models, increasing system throughput by 30% and optimizing device interaction and data flows.
- Constructed modular WiFi software architectures, accelerating feature releases by 50% and enabling agile product iterations.
- Led kernel-level programming efforts for seamless client connectivity, delivering an enhanced omnichannel user experience.

Osmo   **Palo Alto, CA, USA**
Senior WiFi Software Engineer   *January 2020 - December 2021*
- Led strategic WiFi software optimization projects, achieving 50% improvement in system stability and device interoperability.
- Contributed to WiFi protocol enhancements valued at $15M, leveraging analytical insights to maximize operational efficiency.
- Managed lifecycle integration of WiFi-enabled devices, driving $75M in connectivity solutions while optimizing system dependencies.
- Integrated RF analytics in WiFi solutions, ensuring resilience and reducing transmission delays, contributing to $10M global deployments.
- Collaborated on WiFi system architecture presentations, delivering data-driven insights to executive leadership for strategic direction.

RIVIGO   **Bangalore, KA, India**
Senior WiFi Software Engineer   *January 2016 - December 2018*
- Developed WiFi-driven logistics software solutions for extensive networks, supporting innovative connectivity across city-wide infrastructures.
- Sole architect of WiFi infrastructure modules, enhancing operational efficiency across 100+ deployments with significant throughput improvements.
- Led WiFi software development for client solutions, enabling real-time data exchange and enhancing user experience across 100+ engagements.

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