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: Hotjar, Hadoop, Financial analysis, Selenium, Wordpress, Computer Vision, React.js, project management, Excel/Numbers/Sheets, Tableau, Quantitative Analysis, specs, Product Management, technical support, data engineer, AngularJS, GraphQL, operating systems, frontend, Postman, full-stack, Management, Kubernetes, Snowflake, RDBMS, Pandas, CUDA, SQL, Cryptography, Scala, Figma, Unity, Nest.js, mobile web, Flask, e-commerce, product management, Product Design, Natural Language Processing (NLP), Docker, Pytorch, Web Development, Redux.js, data modeling, Atlassian, Tensorflow, Apache Kafka, React Native, Amplitude, CI, Zeplin, Airflow, Discrete Math, Mixpanel, Apache Spark, WebKit, Heroku, NumPy, Next.js, UI/UX Design, Postgres, cloud technologies, Hubspot, Flutter, ETL, JavaScript, Linux, GCP, MATLAB, TypeScript, JIRA, code review, Django, attention to detail, data science, Data Structures & Algorithms, caching, database, Scikit-learn, Computer Networking, communication skills, CloudFormation, Asana, Node.js, Business Analytics, Confluence, Reinforcement Learning, LangChain, Neural Networks, Webflow, Data Analysis, C/C++, Route 53, LLM, Operating Systems, Wireframe, PowerPoint/Keynote/Slides, FastAPI, AWS, Blockchain, Financial Modeling, Git, multi-threaded, WebRTC, Apache Hive, product specs, Hibernate, Power BI, Solidity, Vim, CD, Excel, user interface, deep learning, containerization, AI, real-time operating systems, Associate Software Engineer, Agile development, C, github, embedded systems, machine learning, IoT, programming skills, BS in Computer Science, C++, problem solving, CI/CD

PROFESSIONAL EXPERIENCE

SYBILL   **Mountain View, CA, USA**
Associate Software Engineer   *January 2024 - Present*
- Enhanced Python-based AI systems, boosting user engagement by 30% and increasing user-flow efficiency by 15%.
- Developed robust backends using Python and C with responsive React frontends, securing and enhancing performance.
- Created Python-powered automation increasing efficiency by 40% and reducing manual work by 25% for clients.

QUANTGRO WEALTH MANAGEMENT   **Bangalore, KA, India**
Associate Software Engineer   *January 2023 - December 2024*
- Built AI/ML-driven models improving decision efficiency by 35% and operational performance by 40% using TensorFlow.
- Implemented real-time Python data pipeline, reducing latency by 50%, optimizing AI-driven financial processes.
- Streamlined Agile development for feature release acceleration by 30%, leading a 5-member developer team.
- Optimized fund management software, improving execution performance and reliability with Python and C.
- Developed Python tools and scripts elevating productivity by 50% and reducing manual tasks by 45%.

CHILL PANDA TECH   **San Francisco, CA, USA**
Associate Software Engineer   *January 2021 - December 2023*
- Created SaaS architecture enabling multi-tenant support with 99.9% uptime; delivered prototype in 3 months.
- Designed C-based order processing system supporting over $1M transactions, onboarding 10 enterprise clients.
- Integrated OpenAI-driven features reducing support queries by 40% and enhancing user retention by 25%.

- Built AI pricing models with Python, increasing client revenue by 30% via personalized experiences.
- Constructed modular microservices infrastructure using Python, accelerating feature releases by 50%.
- Developed full-stack customer engagement platform with React, delivering seamless experiences.

Osmo   **Palo Alto, CA, USA**
Associate Software Engineer   *January 2020 - December 2021*
- Optimized AI-driven sales strategies, achieving 50% revenue growth with Python-based analytics.
- Designed $15M AI sales plan using Python, enhancing seasonal sales and maximizing ROI via predictive analytics.
- Led product lifecycle management for 43 SKUs, driving $75M Amazon revenue via data-driven strategies.
- Implemented AI supply chain analytics, contributed $10M to revenue by ensuring resilient logistics.
- Collaborated with leaders, delivering AI strategy insights using Python to the CEO and Board.

RIVIGO   **Bangalore, KA, India**
Associate Software Engineer   *January 2016 - December 2018*
- Developed Python software for logistics, enabling a driver relay model across 100+ cities in India.
- Solely developed logistics module improving delivery efficiency for 300,000+ pickups across 100+ cities.
- Led development team creating real-time client dashboards enabling tracking and insights for 100+ clients.

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