

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

Redux.js, MATLAB, R, Product Management, Tensorflow, Apache Kafka, Discrete Math, Power BI, Operating Systems, Flutter, Wordpress, data modeling, TypeScript, FastAPI, cloud technologies, RDBMS, Git, Node.js, Financial Modeling, CUDA, Hibernate, Postman, Excel, Cassandra, Unity, SQL, product management, Heroku, GraphQL, Reinforcement Learning, product specs, containerization, ETL, Wireframe, Business Analytics, Figma, Route 53, WebKit, Mixpanel, Solidity, UI/UX Design, Hadoop, AngularJS, Apache Spark, frontend, Docker, technical support, Asana, Hubspot, Natural Language Processing (NLP), Cryptography, operating systems, Neural Networks, CloudFormation, Python, MongoDB, PowerPoint/Keynote/Slides, Next.js, Atlassian, AWS, Computer Networking, mobile web, data engineer, Airflow, caching, C#, Redis, Apache Hive, Product Design, CI, Data Structures & Algorithms, JavaScript, Web Development, Django, code review, NoSQL, project management, multi-threaded, ES6, Zeplin, Scala, GCP, Quantitative Analysis, Postgres, attention to detail, WebRTC, database, Flask, specs, Tableau, Linux, Scikit-learn, Azure, Data Analysis, Nest.js, Excel/Numbers/Sheets, LangChain, Vim, Confluence, Pandas, NumPy, communication skills, BigQuery, React Native, React.js, data science, full-stack, Machine Learning, deep learning, user interface, JIRA, C/C++, Hotjar, Snowflake, e-commerce, Kubernetes, CD, Webflow, SDLC, Blockchain, Computer Vision, REST APIs, Cloud-Native, Backend Engineer, Microservices, System Architecture, Agile, RESTful APIs, Distributed Systems

PROFESSIONAL EXPERIENCE

SYBILL

Staff Software Engineer

Mountain View, CA, USA

January 2024 - Present

- Designed and optimized scalable AI systems in Python, boosting user engagement by 30% and workflow efficiency by 15%.
- Developed secure high-performance backend systems using Python and microservices architecture, enhancing response times.
- Implemented complex AI features to automate tasks, cutting client manual efforts by 25% and improving processes by 40%.

QUANTGRO WEALTH MANAGEMENT

Staff Software Engineer

Bangalore, KA, India

January 2023 - December 2024

- Architected Python-based trading models, enhancing decision-making efficiency by 35% and improving operations by 40%.
- Developed Python-driven data processing, cutting latency by 50% and advancing AI execution in financial trading models.
- Spearheaded an agile team of engineers, accelerating feature delivery by 30% through enhanced coding standards.
- Implemented backend solutions with cloud-native strategies, optimizing fund management performance and system reliability.
- Automated internal tools in Python, boosting engineering productivity by 50% and lowering manual tasks by 45%.

CHILL PANDA TECH

Staff Software Engineer

San Francisco, CA, USA

January 2021 - December 2023

- Deployed Python-backed SaaS structure, achieving 99.9% uptime in cloud environments, rapidly delivering a product prototype.
- Developed a real-time order processing system using Python, facilitating \$1M+ transactions, and acquiring 10 enterprise clients.
- Integrated GPT-based user interfaces, enhancing retention by 25% and slashing support inquiries by 40% with AI innovations.

- Engineered Python-driven AI pricing models, elevating client revenue by 30% through dynamic user flows and displays.
- Built microservices infrastructure utilizing Python, boosting feature deployment speed by 50%, enabling faster iterations.
- Led full-stack platform development, using React and Next.js, to provide seamless omnichannel customer experiences.

BYJU'S / OSMO

Staff Software Engineer

Palo Alto, CA, USA

January 2020 - December 2021

- Led Product strategy, AI-driven sales & marketing optimization for a \$40M Amazon business, achieving 50% revenue growth
- Designed a \$15M AI-powered sales & marketing plan leveraging predictive analytics enhancing seasonal sales maximize ROI
- Managed end-to-end product lifecycle for 43 SKUs, driving \$75M in Amazon revenue, optimize pricing, inventory, operations
- Integrated AI-based supply chain analytics, ensuring COVID-resilient logistics, reduce delays, contribute \$10M global revenue
- Partnered with executive leadership and cross-functional teams, presented data-driven AI strategy insights to the CEO, Board

RIVIGO

Staff Software Engineer

Bangalore, KA, India

January 2016 - December 2018

- Developed Python logistics software enhancing driver relay efficiency across a 100+ city network, boosting delivery models.
- Sole developer for Pickups module, streamlining 300,000+ pickups, improving logistics efficiencies with Python solutions.
- Led team to build real-time dashboards using cloud technologies, enabling client insights and streamlined communications.

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