**Bhagirath Pancholi Software Engineer | Data Analyst | Trading Algorithm Developer**

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## PROFESSIONAL SUMMARY

Results-driven Software Engineer and Data Analyst with over a decade of experience in full-stack development, data analytics, and trading algorithms. Strong problem-solving and community-building skills with a global chess network of 2000+ members.

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## TECHNICAL SKILLS

- **Programming Languages:** Python, C#, JavaScript, HTML/CSS, Java, Pine Script,
- **Databases:** MySQL, MS SQL Server, MongoDB, PostgreSQL
- **Tools:** Power BI, Tableau, Excel, AWS, Umbraco, Github
- **Libraries/Frameworks:** Node, Angular, React, Flask, Pandas, Matplotlib, Plotly, NumPy, Android SDK
- **DevOps**: Docker, CI/CD Pipeline
- **Specializations**: Trading Algorithms, Machine Learning, Web Scraping - BeautifulSoup, Arduino

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## EXPERIENCE

**Manager – *Boston Institute of Analytics, Bhavnagar***  *Jan 2023 – Present*

**Freelance Developer/Data Analyst – *Ahmedabad, India***  *Nov 2018 – Dec 2023*

- Developed an algorithm for **automated stock trading** using Python and AWS.
- Designed **Pine Script algorithms** for trading strategies in TradingView.
- Analyzed **Forex Market** for NY Wolves LLC, predicting future market movements.
- Web scraping expert using **BeautifulSoup**.
- Data analysis and visualization using **Tableau and Python**.
- SEBI NISM Certified in **Equity Derivatives Analyst** and **Mutual Fund Distributor**.

**Software Engineer – *Solution Analyst, Ahmedabad, India***  *Aug 2017 – Oct 2018*

- Worked on **Umbraco .NET and MEAN Stack projects**.
- Developed solutions for **Karte Healthrecord Service** and **Incadea**.

**GATE Exam Preparation – Ravindrababu Ravula**  *Jun 2015 – Jul 2017*

- Completed coursework in **Engineering Mathematics, Digital Logic, Computer Organization & Architecture, Programming & Data Structures, Algorithms, Theory of Computation, Compiler Design, Operating Systems, Databases, Computer Networks, and Software Engineering** from **Ravindra Babu Ravula** for the **GATE examination for IIT**.

**Software Engineer Trainee – *Shivaadi Infotech, Ahmedabad, India***  *Jun 2014 – May 2015*

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## EDUCATION

**B.E. in Computer Engineering** – C.U. Shah College, Wadhwan, GTU     *Jun 2011 – May 2015*

- Score: 68.3%

**S.S.C & H.S.C** – Sardar Patel Vidhyalaya, Surendranagar     *Apr 2009 – Mar 2011*

- Scores: 78.8% (S.S.C), 65% (H.S.C)

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## PROJECTS & RESEARCH

- Engineered a Python-based **stock trading algorithm** using AWS that enhanced trade execution speed by 200% **over three years**, improving efficiency and performance.
- Developed a **Python Desktop Application** for Finvasia stockbroker that optimized user transactions, resulting in a 500% improvement in manual order execution speed compared to the existing broker application, attributed to an improved user interface and simplified functionality.
- **COVID-19 Global Vaccine Tracker** analyzing vaccination trends.
- **Gujarat General Legislative Election Data Analysis** using Tableau.
- **IPL Dream11 Team Selection** using Python Panda Data Analysis.
- **Food Delivery App Data Analysis**.
- **Hostel Management System** in Google Sheets.

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## CERTIFICATIONS & COURSES

- **Business Analytics** – iNeuron.ai  (2021).
- **Data Analysis with Python** – Cognitiveclass.ai (IBM Developer Skills Network) (2019)
- **Web Developer Bootcamp** – Udacity (2017).
- **CCNA, MCITP, RHCSA Certified** – Netsoft Educom (2014).
- **Cyber Security Workshop** – Indus University (2014).

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## EXTRACURRICULAR ACTIVITIES

- Write blogs and create IT-related videos on YouTube
- Organized and led a global chess community of over **2000+ members**, enhancing leadership and community-building skills.
- **Ranked 1st** in Open Gujarat Chess Competition & Khel MahaKumbh (District Level, 2016-2017).
- **Blindfold Chess Play**: Enhanced memory, concentration, and problem-solving skills.
- **Rubik's Cube**: Personal best of 40 seconds; also solved the Mirror Cube.

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## KEYWORDS FOR ATS

Software Engineer, Data Analyst, Trading Algorithm, Pine Script, Python Developer, Machine Learning, MERN Stack, AWS, Power BI, Tableau, Web Scraping, SQL, MongoDB, Forex Market, SEBI NISM, Equity Derivatives, Business Analytics, Cybersecurity, Github, Docker, CI/CD Pipeline, DevOps, JavaScript, Arduino