

Sahil Singh

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EDUCATION

New York City College of Technology | New York, NY

May 2026

- **BTech in Computer Systems | Dean's List | Honors:** Honors Scholars Student, National Honor Society, National Society of Collegiate Scholars
- **Relevant Courses:** Database Systems, Networking Systems, Web Programming, Mobile Device Programming, Systems Analysis and Design, Data Structures and Algorithms, Non-Relational Databases, Microcomputer Databases, Machine Learning

Forage (Job Simulations) | New York, NY

- **TATA (Data Visualization):** Analyzing Data | Creating Visuals Using Tableau | Presenting Insights
- **Ford (EV Engineering):** Tuning PID Controllers | Examining Python Code | ROS Framework | Battery Performance Analysis | Excel

WORK EXPERIENCE

Industry Insights (Investment Banking Startup) | Data Analyst | New York, NY

January 2025 - Present

- Developing an AI-powered program using Open AI to automate stock identification and analysis.
- Analyzed financial data from 50+ DCF models to generate insightful visualizations using Excel and Tableau.
- Building a database of 500+ historically undervalued stocks and their key indicators for pattern recognition and predictive analysis.
- Automating the completion of DCF models and other financial documents using Python, reducing manual effort by 70% and increasing accuracy.

Givepact (Cryptocurrency Fintech Startup) | Software Development Intern | New York, NY

June 2024 - August 2024

- Designed and implemented a comprehensive database for over 5,000 nonprofits, streamlining data management processes and improving operational efficiency by 20%.
- Developed automation scripts using OpenAI technology to enhance workflow productivity and systemize email communication systems.
- Engineered data pipelines for generating weekly performance reports, enabling better insights for decision-making and improving subscriber engagement by 10%.
- Utilized data-driven approaches to create content optimization strategies, resulting in a 15% increase in website traffic and improved audience retention.

Bright Horizon (Coding Camp) | Founder/Coding Instructor | New York, NY

May 2023 - Present

- Designed coding lessons and workshops for over 50 children aged 10 - 15, focusing on fundamentals of programming
- Facilitated hands-on coding activities and projects, encouraging collaboration, creativity, and problem-solving skills
- Provided individualized support and feedback to students.
- Evaluated student progress through projects and tracked improvement, with over 95% of participants demonstrating increased proficiency in core programming skills.

EXTRACURRICULAR ACTIVITIES/PROJECTS

- **Google Software Engineering Program (Basta SWEP)** - Selected from a highly competitive applicant pool to engage in 10 weeks of pair programming and mentorship with a Google Software Engineer to strengthen foundational coding skills, enhance problem-solving abilities, and prepare for technical interviews.
- **AI Chatbot** - Designed and implemented an AI-powered chatbot using Gemini API and Kotlin, capable of managing 1,000+ user queries effectively. Conducted extensive user testing and performance analysis, optimizing response accuracy and functionality through iterative updates. Leveraged the Gemini platform to train the chatbot, ensuring precise, context-aware interactions.
- **AlAi(Programmer)** - Co-developed AlAi, an AI-powered therapy chatbot built using Netlify and OpenAI, designed to support mental health conversations in collaboration with psychology students.

ADDITIONAL

Programming Languages: Python, Java, JavaScript, SQL, HTML, Kotlin

Tools & Technologies: MongoDB, Neo4J, Tableau, AutoCAD, Autodesk Inventor, Redis, Oracle, Excel, WebFlow

Certifications: Autodesk Inventor (Certified User), Texas A&M (Information Security Basics), TATA Group (Data Visualization)