

NISHCHAY PATEL

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EDUCATION

Georgia State University, Atlanta

Bachelor of Science in Computer Science, Certification in Data Science

GPA: 3.90

Relevant Coursework: Software Engineering | CodePath Technical Interview Preparation

May 2025

SKILLS

PROGRAMMING LANGUAGES: Python, Java, JavaScript, HTML, CSS, SQL, C, NoSQL, TypeScript

FRAMEWORKS/ LIBRARIES: TensorFlow, AWS, Microsoft Azure, Firebase, Open AI Services, Power BI, Google Suite, Microsoft Office, Command Line Interface, Lang-chain, Django, React, Node.js, Flask, Google API Services

CERTIFICATION: Amazon Web Services Specialization, CodePath Web Development, GSU - President's List, NASA ATX

EXPERIENCE

Instructional Innovation & Technology, GSU

Atlanta, Georgia

Software Support Specialist

September 2022 – Present

- Spearhead the evolution of software and website functionality, by maintaining an immersive experience for university staff and faculty of over 15 different departments.
- Enforce data security measures by implementing Trellix encryption to fortify privacy on campus devices.
- Utilize web ticket platform to exhibit effective work order management and feedback, improving client satisfaction by 30%.

Evidence Based Cybersecurity Research Group, GSU

Atlanta, Georgia

Data Analyst

September 2023 – Present

- Employee data cleaning algorithms and machine learning techniques to ensure proper analysis of datasets, resulting in a 25% improvement in data accuracy for the industry clients.
- Leverage linear regression predictive modeling to accurately forecast outcomes and identify emerging trends within target markets, maintaining prediction accuracy of 86%.
- Assembled Python to obtain tailored data analytics required by the professor, resulting in a 30% increase in the caliber of their research.

Deep Learning Research Group, GSU

Atlanta, Georgia

Data Analyst

August 2022 – September 2022

- Enhanced early cancer detection capabilities by 85% by analyzing tomography data using TensorFlow and neural networks.
- Designed data visualizations in Python, transforming complex datasets into over 30 intuitive diagrams and graphs, to better understand.
- Produced various presentations and brief summaries for the founding of the experiment increasing productivity by 30%.

PROJECTS

Career Swipe- Chief Software Engineer

January 2024 – Present

- An advance AI powered job-hunting site, spotlighting the employee to various recruiters, initially focused to be used at career fair.
- The web service also provides resume insights and improvement suggestions to the job seeker improving their chance to stand out.
- Tech Stack: Python, Django, Firebase Services, Google Generative AI API, HTML, CSS, TypeScript

Movie Quote Search - Software Developer

June 2023 – July 2023

- A semantic search platform developed using OpenAI's text-embedding-ada-002 model for leveraging cosine similarity to provide precise outputs.
- The application helps eliminate the need to sift through countless alternatives and get the desired quote with 87% accuracy.
- Tech Stack: Python, OpenAI API, HTML, CSS, JavaScript

Prediction on Point - HACK-Georgia Institute of Technology - Software Engineer

October 2023

- A sports prediction application, supported by Support Vector Machine model, that predicts the winner of Premier League game with 79% precision.
- The machine learning algorithm operates on the last 10 years of official data which includes 20+ game factors and betting data from 6 different betting websites.
- Tech Stack: Python, Swift

The Rainbow Promise - Code-path Web Development (Honors) - Web Developer

September 2022 – December 2022

- An engaging website created for same-sex marriage equality information, built with user-friendly design and customizable viewing options.
- The website delivers a captivating experience along with a petition signing form, which was signed by over 3000 people.
- Tech Stack: JavaScript, HTML, CSS

EXTRACURRICULARS

- **Publicity Chair:** Association for Computing Machinery
- **Volunteering:** Dream Foundation
- **Badminton Club:** Member
- **Hobbies:** Stock Market | Geopolitics | Gym | Basketball | Soccer | Cricket | Badminton | Swimming