NISHCHAY PATEL

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EDUCATION

Georgia State University, Atlanta *May 2025*
Bachelor of Science in Computer Science, Certification in Data Science
GPA: 3.90
Relevant Coursework: Software Engineering, CodePath Technical Interview Preparation
Certifications: Amazon Web Services Specialization, CodePath Web Development, GSU - President's List, NASA ATX

SKILLS

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

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.
- Enforced data security measures by implementing Trellix encryption to fortify privacy on campus devices.
- Utilized 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**
- Engineered data cleaning and machine learning algorithms to ensure proper analysis of datasets, resulting in a 25% improvement in data accuracy for the industry clients.
- Implemented linear regression modeling to accurately forecast outcomes and identify trends within targeted markets, obtaining 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.
- Delivered 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 advanced 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, AWS, Firebase Services, Google Generative AI API, HTML, CSS, TypeScript

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

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

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

LEADERSHIP & AFFILIATIONS

- **Treasurer:** Association for Computing Machinery **June 2024 - Present**
- **Food Volunteering:** Dream Foundation **August 2022 - Present**
- **Badminton Club:** Member **January 2022 - Present**
- **Hobbies:** Gym, Basketball, Soccer, Cricket, Badminton, Swimming