NISHCHAY PATEL

Atlanta, GA | nishchay22.03.2003@gmail.com | +1 (404)-353-7022 | LinkedIn: nishchay-pat |Github: nishchaypat

EDUCATION

Georgia State University **Atlanta, Georgia**
*Bachelor of Science | **Major:** Computer Science | **Certification:** Data Science* ***Expected: May 2025***
GPA – 3.90 *(Scale: 4.0)*

SKILLS

PROGRAMMING LANGUAGES: Python | Java | JavaScript | HTML | CSS | SQL | C
FRAMEWORKS/ LIBRARIES: TensorFlow | AWS | Microsoft Azure | Firebase | Kubernetes | Open AI | Power BI | Google Suite | Microsoft Office | CLI | Lang-chain | Django | React | Node.js | Flask | Git
CONCEPTS: Machine Learning | Cloud Computing | RESTful APIs | UI/UX Design | Database Management | Object-oriented Programming | Data Structures and Algorithm | Agile Development Process | Computer Organization | Statistics and Applications | Discrete Mathematics | Scrum
CERTIFICATES: Amazon Web Services Specialization | CodePath Web Development | ARCTIC Self Driving Car | GSU - President's List | NASA ATX
PLATFORMS: Windows | Linux | MacOS | Ubuntu
HOBBIES: Stock Market | Geopolitics | Gym | Basketball | Soccer | Cricket | Badminton | Swimming
SPOKEN LANGUAGES: English | Hindi | Gujarati

EXPERIENCE

Instructional Innovation & Technology, GSU **Atlanta, Georgia**
Software Support Specialist **September 2022 – Present**

- Spearheading the evolution of software and website functionality, ensuring an immersive experience for university staff, and faculty, resulting in a 95% increase in employee satisfaction.
- Ensuring data security measures by 80% by implementing Trellix encryption to fortify connections with campus devices.
- Demonstrating effective work order management through the utilization of the university's web-based ticketing system and improved client satisfaction by 90%.

Evidence Based Cybersecurity Research Group, GSU **Atlanta, Georgia**
Software Engineer (Student) **September 2023 – Present**

- Practicing advanced data cleaning algorithms and machine learning techniques (NumPy, Pandas, Scikit-learn) to ensure proper analysis of datasets, resulting in a 95% improvement in data accuracy for the clients.
- Utilizing predictive modeling to accurately forecast outcomes and identify emerging trends within target markets, resulting in a 70% increase in predictive accuracy.
- Proficiency in Python to obtain the 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**

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

PROJECTS

Movie Quote Search (Software Developer)

- A semantic search platform 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 97% accuracy.

Prediction on Point (HACK-Georgia Institute of Technology-2023) (Software Engineer)

- Developed a sports prediction application that predicts the winner of Premier League game with 79% precision.
- Support Vector Machine model runs on the backend to forecast the winner, using 20+ game factors and betting data.

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

- An engaging website advocating for same-sex marriage equality, built with user-friendly design and customizable viewing options.
- The website utilizes JavaScript, HTML, and CSS to deliver a captivating experience along with a petition signing form, which was signed by over 3000 people all around the world.

Self-Driving Car (ARCTIC 2023) (Software Engineer)

- An advanced autonomous car powered by Python, C/C++, and GPU for AI capabilities, making it 98% self-drivable.
- The car is equipped with computer vision and machine learning algorithms which excel in lane and traffic sign detection.

EXTRACURRICULARS

- **Association for Computing Machinery:** Publicity Chair
- **Dream Foundation:** Volunteering
- **Badminton Club:** Member