

Jahnvi Gupta

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EDUCATION

New York Institute of Technology

Master of Computer Science

Manhattan, New York

September 2022-May 2024

Gujarat Technological University

Bachelor of Engineering, Computer Engineering

Gujarat, India

April 2017-May 2021

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, C, C++, MATLAB, PHP
- **Web Development:** HTML5/CSS3, Django, React.js, Vue.js, Node.js, MUI, Tailwind, WordPress, Figma
- **Databases:** SQL, PostgreSQL
- **Platforms:** Windows, Unix, Microsoft Azure, AWS
- **Development Tools and Frameworks:** OOP, Agile Development, Android Studios, Visual Studio, Git, Jira

WORK EXPERIENCE

IpsierLab

Software Engineer Intern

May 2023-August 2023

- Executed the development and maintenance of client web applications using a tech stack composed of JavaScript (React.js, Vue.js, Node.js), HTML5/CSS3, PHP, SQL, and RESTful APIs, with Python for backend services and data processing tasks.
- Configured Apache HTTP Server for website hosting to improve website loading speed by 64%.
- Revamped the checkout page to increase user interactions by 25%, and boost customer transactions by 33%.
- Led collaborative efforts with the design team, integrating web animations and vectors using Figma & Adobe XD, resulting in a 21% traffic increase and 15% higher conversion rates.

Dhru Cloud Pvt. Ltd (Startup)

Software Development Engineer

November 2020-July 2022

- Implemented front-end frameworks like React.js and AngularJS, coupled with Python backend services, to develop user interfaces, enhancing interactivity. Streamlined development processes, reducing time-to-market by 20%.
- Integrated RESTful APIs with front-end components, improving user engagement and retention rates by 40%.
- Conducted thorough testing using Jest, Enzyme, and Python-based testing frameworks like PyTest to ensure code quality and identify and fix bugs, resulting in a 50% reduction in production defects.

Mammoth Media Pvt. Ltd

Software Development Engineer

May 2019-October 2020

- Piloted the incorporation of Python, scikit-learn, PyTorch, NumPy, Pandas, and SQL libraries for machine learning and artificial intelligence applications, delivering a 25% increase in predictive accuracy and a 30% improvement in data analysis efficiency.
- Spearheaded a product recommendation system, leveraging co-occurrence matrices for analyzing consumer order data, and identifying product associations, resulting in a 36% increase in recommendation accuracy.
- Engineered vector representations of products, streamlining product volumes through cosine similarity analysis between product vectors, and conducted testing (unit testing, integration testing, regression testing) and debugging.
- Achieved a 20% increase in sales by implementing an end-to-end recommendation system, leveraging historical data.

CERTIFICATIONS

Advance Application Developer (ITC), **Microsoft** Certified: Azure Fundamentals (AZ-900), **Microsoft** Certified: Azure Data Fundamentals (DP-900), Web Development Bootcamp (**Udemy**), 100 Days of Python (**Udemy**), Motion Design with Figma(**Udemy**)

PROJECTS

Movie Land Web Application

March 2023

- Utilized an external API for data retrieval, driving the development of a fully responsive React Web Application. Users could seamlessly explore over 5000 movies within predefined categories and genres.
- Employed MUI and Tailwind CSS to craft visually captivating user interfaces, garnering a 40% increase in user engagement. Engaged in various project environment setups and project architecture development methods.

Temperature Screening System and Facial Recognition

January 2021

- Developed & deployed facial recognition with temperature screenings for 10,000+ individuals. Achieved 95% accuracy in COVID-19 symptom detection using Python (TensorFlow, PyTorch, NumPy, Matplotlib).
- Operated Raspberry Pi 4 hardware with Camera 5MP & Omron D6T-44I-06h sensor for real-time monitoring, processing 100+ readings per minute.
- Integrated solution into 20 public venues, ensuring safe access for 100,000+ individuals daily, supporting COVID-19 public health measures.

Audio Translator Mobile Application

September 2019

- Conceptualized the development of a robust Mobile Application aimed at seamlessly translating recorded audio messages across 20+ languages using Android Studio, leveraging Java as the primary programming language, and employing SQLite for database management.
- Designed an intuitive user interface and managed advanced audio processing techniques and Java APIs to ensure high-quality audio recording and playback within the application, delivering a seamless user experience.