Abhishek Vasantkumar Jani

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SUMMARY

Computer Science graduate student with a solid foundation in AI and Cybersecurity. Skilled in technical support and research, with expertise in Python and advanced technology applications to develop efficient solutions and address complex challenges.

EDUCATION

Rutgers University, New Brunswick, NJ

Master of Science in Computer Science *09/2024 – 05/2026*

Coursework: Data Structures and Algorithms, Database Management Systems, Introduction to Artificial Intelligence

Ganpat University, Mehsana, India

Bachelor of Technology in Computer Engineering, 8.97 out of 10 *07/2019 – 05/2023*

SKILLS

- **Programming Languages**: Python, SQL, C++, C, C#, Kotlin
- **Frameworks & Libraries**: TensorFlow, PyTorch, Scikit-Learn, OpenCV, MediaPipe, NumPy, Pandas, Matplotlib, Seaborn
- **Data Science & Analytics:** Data Analytics, Data Visualization (Tableau, Power BI), Data Modeling, Predictive Models, Statistics
- **Web Technologies:** HTML, CSS, JavaScript, Flask, Django, Node.js
- **Networking:** TCP/IP, DNS, DHCP, VLANs, VPN (IPSec, SSL), Firewall Management, CLI (Command Line Interface)
- **Databases:** MySQL, SQLite, MongoDB
- **Tools**: Microsoft Office, Google Workspace, Salesforce, Git, GitHub, VSCode, Figma
- **Operating Systems**: Unix/Linux, Windows, MacOS
- **Soft Skills**: Leadership, Project Management, Communication, Cross-Functional Collaboration, Initiative, Team Collaboration

PROFESSIONAL EXPERIENCE

Sophos, Ahmedabad, India

Technical Support Engineer – L1 *08/2023 – 05/2024*

- Resolved 700+ service requests on Sophos Firewall in the APAC region, raising client uptime by 20% and attaining 95% customer satisfaction.
- Provided level 1 support for IPSec, Remote SSL VPN, VOIP, Firmware failover, Authentication, Web Filtering, Reporting, and Firewall-related issues.
- Sophos Firewall Version 19.5, Support and MDR Module Certified.
- Utilized Salesforce for ticket management, cutting response times by 15% and boosting support efficiency.

Ganpat University, Mehsana, India

Research Intern *01/2023 – 05/2023*

- Improved model accuracy by 25% via data preprocessing, transfer learning, and integration of AlexNet and VGG19 on the 26-category EMOTIC dataset.
- Analyzed performance metrics, achieving up to 25.6% valid accuracy across models with various optimizers, guiding future model improvements in emotion classification tasks.
- Built a data pipeline and visualization tool that cut prediction latency by 40% for real-time emotion tracking.

Amazon ML Summer School

Machine Learning Participant *06/2022 – 06/2022*

- Completed Amazon's intensive 8 virtual sessions ML program covering advanced topics, including Supervised and Unsupervised Learning, Deep Neural Networks, Probabilistic Graphical Models, and Reinforcement Learning.

RESEARCH PAPER

Navigating Digital Economy- An Analysis of Emerging Trends and Opportunities:

Presented at the International Conference on Restructuring Independent India, highlighting 376% internet usage growth and a 300% increase in e-commerce. Focused on AI and blockchain in industry transformation.

PROJECTS

Scribbler: Touchless Drawing Tool with Gesture Recognition

***Technologies Used**:* Scikit Learn, OpenCV, MediaPipe, Tkinter *09/2022 – 12/2022*

- Created a touchless drawing tool with real-time gesture recognition (90% accuracy) and color detection via OpenCV and MediaPipe.
- Expanded functionality by integrating PowerPoint control through Tkinter, allowing hands-free navigation during presentations, which offers accessibility and seamless user experience in professional settings.

Vital AI: Disease Prediction System via User Symptom Analysis

***Technologies Used**:* HTML, CSS, Bootstrap, Flask, MySQL, Ngrok *02/2022 - 05/2022*

- Engineered a disease prediction system utilizing ML models (Logistic Regression, Decision Tree, KNN) with a 92.3% accuracy rate.
- Built a full-stack web application with Flask for the backend and MySQL for data management, hosted using Ngrok.

Terrobyte: Digital Assistant for Vaccine Availability & Health Alerts

***Technologies Used**:* Python, PyQT5, SQLite *06/2021 – 06/2021*

- Developed a digital assistant for vaccine availability monitoring and health alerts, integrated with SQLite for data storage.
- Created during the Hackon 2.0 Hackathon to tackle pandemic-related challenges in local vaccine access, enhancing user convenience with speech recognition and improving accessibility by 40% for users with physical limitations.