Pragy Jha

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Education

VIT BHOPAL UNIVERSITY, Computer Science and Engineering with spec. in Cyber Oct 2022 - June 2026
- CGPA: 8.28/10

Dr.D RAM D.A.V Public School, Higher Secondary (12th) Mar 2020 - June 2021
- Percentage: 78.0%

Projects

KeySafe Vault (Frontend Role)
- Developed a tiered encryption vault for the secure storage of sensitive user data, including documents and credentials; boosted data security by 75% and decreased security breach events by 60% over six months.
- Deployed role-based access control across the organization's cloud infrastructure using IAM policies, restricting access to sensitive data, and reducing potential security breaches by 40% within 1 month.
- Led the front-end development using Flutter, resulting in a 20% improvement in app performance.
- Flutter, NodeJS, Python, ExpressJS, MongoDB.

SnapSpeak Translator
- Engineered SnapSpeak Translator to enable seamless image-to-text translation through automation with Google Translate; reduced manual transcription time by an average of 5 hours per week across team projects.
- Developed an intuitive user interface that enabled team members to upload images and receive translations with minimal effort, reducing image upload time by 30% and improving user satisfaction by 25%, based on team feedback.
- Python, Selenium.

StreamTape Downloader
- Designed and deployed a multi-layered downloader script for StreamTape content, automating file retrieval while ensuring optimal speed and reliability; improved file retrieval time by 50% and removed user intervention by 70%.
- Integrated error-handling mechanisms and retry logic into the downloader script, reducing download failures by 45% and improving overall script reliability
- Streamlined the user experience by adding features for batch downloads and automatic file organization, which enhanced overall download rate by 50% and cut user intervention by 60%.
- Python.

Certifications

- AWS Academy Cloud Architecting, Amazon Web Services Training and Certification
- AWS Academy Cloud Foundations, Amazon Web Services Training and Certification
- Python Essentials, Vityarthi
- Foundations of Cyber-Physical Systems, NPTEL
- Computer Networking, Coursera

SKILLS

Operating System: Linux, Windows
Languages: C++, C, Java, Python, HTML-CSS, Dart 2.0
Additional Skills: Data Structures and Algorithms, OOPs

EXTRA-CURRICULAR

College Clubs:
- Event Team Core Member - Data Science Club 2023 - 2024
- AI Club Volunteer 2023 - 2025