

# VISHRUT JHA

Phoenix, AZ

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## EXPERIENCE

### Prickly Pear Health Inc.

July 2024 – Present

Founding Engineer

Phoenix, AZ

- Leading the development of the initial MVP for a next-gen digital healthcare product leveraging Swift and SwiftUI to create a robust iOS app focused on enhancing women's mental health.
- Architecting AI-powered voice journaling features using Syml.ai's Conversation Intelligence API, enabling real-time analysis of user inputs and extraction of actionable insights to improve user engagement.
- Collaborating with cross-functional teams, industry experts, and high-net-worth investors to drive product development and innovation in women's mental health technology, aligning with key performance indicators for sustainable scaling.

### Dhan AI Pvt. Ltd.

June 2023 – May 2024

Software Development Engineer - I

Tempe, AZ (Remote)

- Led the OAuth migration from SAP Gigya to Firebase Auth and the web backend, enhancing Identity and Access Management (IAM) security for 50,000 users without necessitating password resets.
- Synchronized data across 3 platforms in real-time, utilizing Python's Celery multi-threading, RabbitMQ, and Redis for caching, to ensure seamless integration and data consistency.
- Developed an innovative admin system using JSON Web Tokens (JWT) to simulate user sessions, significantly improving debugging capabilities while maintaining single sign-on (SSO) and two-factor authentication standards.

### Compliance Group Inc.

June 2019 – July 2021

Full-stack Developer

Hyderabad, India

- Played a key role in the backend development of *FDALytics* (website still active) and *iQuality* using Python, Django REST Framework and later, GraphQL, contributing to a 20% uplift in data processing efficiency.
- Collaborated with a team of 6 developers to develop a data categorization module, significantly enhancing data retrieval speed and accuracy using Azure Search.
- Contributed to the implementation testing and deployment pipelines using PyTest, Jest, and GitHub Actions for CI/CD processes, which cut down deployment errors by 50% and improved the quality of the deliverables.

### AuthBase Inc.

September 2018 – May 2019

Software Engineer

Hyderabad, India

- Developed *LiveShield*, leveraging Elasticsearch, Logstash, and Kibana (ELK) for dynamic scanning of over 10,000 DLLs (Dynamic Link Libraries), enhancing real-time security analytics, and alerts using socket.io.
- Integrated Nessus and NMap-based packet sniffers for in-depth vulnerability scans, utilizing NVD (National Vulnerability Database) and CVE (Common Vulnerabilities and Exposures) for robust threat management.
- Achieved a 40% improvement in security effectiveness, aligning with NVD advisories and CVSS risk assessments.

## EDUCATION

### Arizona State University, Ira A. Fulton Schools of Engineering

August 2021 – May 2023

Master of Science in Computer Science, GPA: 3.89/4.00

Tempe, AZ

- Relevant Coursework: Data Processing at Scale, Software Security, Applied Cryptography, and Natural Language Processing.
- TA to FSE 100: Introduction to Engineering, build using MATLAB, Python, Lego, and Raspberry Pi. *Fall 21 - Spring 22*

### Panjab University, University Institute of Engineering and Technology (UIET)

August 2014 – May 2018

Bachelor of Engineering in Computer Science and Engineering, GPA: 7.77/10.00

Chandigarh, India

- Relevant Coursework: Computation and Automata Theory, AI and Expert Systems, and Data Structures and Algorithms

## SKILLS

**Languages:** Swift, Python, JavaScript, TypeScript, SQL, HTML, CSS, NoSQL, IDE of choice: VS Code, XCode

**Frameworks:** SwiftUI, React, Redux, Django, PyTest, Jest, Flask, SQLAlchemy, REST API, JSON, Angular, Scala, CI/CD

**Tools:** Git, GraphQL, Postgres, Azure, GCP, AWS, Linux, Docker, ArcGIS, Jira, Redis, Redux, JWT, RabbitMQ, Agile