

# Dev Angiras

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## Professional Summary

Software Engineer with 3+ years of end-to-end ownership of a production platform serving 20,000+ users across iOS, Android, and web. Specializes in Django/PostgreSQL backend systems, async task pipelines, and scalable service-oriented architecture. Track record of independently designing, building, and shipping 25+ campus-wide features from concept to production.

## Core Skills

<b>Languages</b>	Python, Dart, C++, SQL
<b>Backend</b>	Django, REST APIs, Celery, Redis, PostgreSQL
<b>Frontend</b>	Flutter, HTML, CSS, Bootstrap
<b>System Architecture</b>	Microservices, Role-Based Access, Queueing Systems
<b>Infrastructure</b>	Nginx, Gunicorn, Linux Server Management
<b>Cloud &amp; Messaging</b>	AWS (Pinpoint, SNS, SES), Firebase
<b>Tools</b>	Git, VS Code, Android Studio, Xcode

## Experience

### Lead Software Engineer & Product Lead – Namaste BHU

Feb 2023 – Present

Banaras Hindu University, Varanasi

- Architected Namaste BHU — a university-wide platform (20,000+ users, 25+ services) with a Django/PostgreSQL backend served via Nginx and Gunicorn on Ubuntu.
- Built and solely maintain the Flutter mobile app (iOS & Android) — spanning 25+ modules including academics, grievance, digital ID, counselling, entry-pass, and a one-tap emergency alert that shares a student's live location with campus security.
- Designed a high-throughput async notification pipeline using Celery and Redis, integrating AWS Pinpoint and FCM for campus-scale delivery and read-status tracking.
- Planned and executed infrastructure migration from AWS EC2 (m5.xlarge) to on-premise university servers — reducing monthly infra costs by ~80% while retaining AWS for SMS/email and backup.
- Engineered a campus-wide RBAC system and an HMAC-signed dual-QR Entry Pass module with template-based event configuration, computed occupancy status, and contactless exit tracking.

## Projects

### Kashi Tamil Sangamam 4.0 | [kashitamil.bhu.edu.in](http://kashitamil.bhu.edu.in)

*Django, PostgreSQL*

Developed the official website and a digitally signed certificate issuance and public verification system for a Government of India cultural initiative hosted at BHU.

### XI-ICOPVS 2026 | [icopvs2026.bhu.edu.in](http://icopvs2026.bhu.edu.in)

*Django, REST API*

Built conference website with digitally signed certificate generation and a public verifier tool for an international academic conference at BHU.

### SPJ Jewellers App

*Flutter, Firebase*

Developed and launched a Flutter-based mobile app for Shree Padmanabham Jewellers — increasing in-store engagement by 40%. Integrated product catalogs, search, and live gold/silver pricing via Firebase backend.

## Publications

### Architecture for Building Open and Flexible Learning Platforms

*Sep 2025*

Dev Angiras, Manjari Gupta, TV Prabhakar | Commonwealth of Learning (COL), PCF11 | [oasis.col.org](http://oasis.col.org)

## Achievements

- Qualified UGC – National Eligibility Test (NET) for Assistant Professor in Computer Science and Applications.
- GATE 2023 qualified in Computer Science and Information Technology
- NPTEL Topper – Introduction to Programming in C (2023)
- CBSE Topper – Multimedia and Web Technology (2018)

## Education

### Master of Science in Computational Science and Applications (2021–2023)

8.71 CGPA

Banaras Hindu University, Varanasi, Uttar Pradesh