

Devansh Verma

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SUMMARY

CS master's student (ASU '27) with 2+ years building production backend systems, APIs, and data pipelines. Skilled in Python, with a record of improving reliability via CI/CD, monitoring, and caching.

EDUCATION

M.S. Computer Science Arizona State University, Tempe, AZ

GPA: 3.50/4

May 2027

B.Tech, Information Technology Bharati Vidyapeeth's College of Engineering (BVCOE), New Delhi

GPA: 8.57/10

July 2024

TECHNICAL SKILLS

Programming & Backend: Python (Advanced), Java, Go, C#, SQL, REST APIs, Flask/FastAPI, Linux, Git/GitHub, CI/CD, C++

Systems & Infra: Docker, Redis, Kafka, PostgreSQL, AWS, GCP, Microservices, Observability/Monitoring, Celery, Kubernetes

ML & AI: PyTorch, TensorFlow, Keras, LLMs/RAG & Embedding Search, CNN-based CV, Classical ML (LR, SVM, DT), NLP, ClaudeCode, Codex, MCP, Cursor, Python Sqlite3, Pandas, NVIDIA AI, LangChain, LangGraph, Azure AI, Gen AI

PROFESSIONAL EXPERIENCE

Arizona State University, Devops Engineer

Sep 2026

- Audited a 60-controller CI/CD fleet and traced the configuration pipeline end-to-end, uncovering 3 undocumented behaviors that removed a cross-team dependency and enabled a fleet-wide migration to centralized secret management.
- Led the migration of 24 controllers by analyzing dependencies across 700+ repositories, sequencing rollout by blast radius, and eliminating the legacy credential path to prevent regression.

ParentSquare, Software Engineer Intern

Jun 2026 - Aug 2026

- Ship CRUD features for the Digital Business Review platform by wiring Firebase Data Connect GraphQL mutations into the admin UI, streamlining customer management during live review cycles and reducing manual data entry.
- Improved deployment reliability and reduced user errors by adding record filtering and fixing false error banners in AI generation flows using PR-based CI/CD with validation gates

KLJ Ltd, AI Engineer & Solutions Architect

Feb 2025 - Jun 2025

- Developed AI-driven billing, voice search, and image-to-text services; deployed CI/CD microservices (Python/Java), shipped email-thread summarizer that cut manual audit effort from 12–15 mins per chain to under 3 mins (40–60% reduction).
- Standardized service templates (logging, retries, health checks) improving reliability across deployments.

Times Internet (TIL), AI Engineer — Internship & Part-Time

Feb 2024 - Jan 2025

- Productionized an IAB taxonomy-based auto-categorization pipeline using Docker, Redis, Kafka, SQL, and AWS CI/CD, improving content-categorization workflow efficiency by 41%.
- Optimized the IAB auto-categorization pipeline, improving accuracy to 97.8% and reducing latency 22% via feature tuning, Redis caching, and async task orchestration; synthesized experiment logs into standardized release decision memos.

PROJECTS

Facial Recognition (Web App)

Apr 2025

- React/Node + Flask + Postgres app for user & image tracking; 85% accuracy after preprocessing/tuning.

NASA Space Apps — Data-to-Visualization Pipeline

Jul 2021

- Built a Python data-visualization pipeline turning NASA telemetry into mission safety insights, All-India Rank 1.

JobCadet (Bootstrap Startup)

Aug 2023 - Oct 2024

- Built an AI-assisted recruitment platform using skill–role similarity scoring with Flask, PostgreSQL, React; led product rollout from prototype to pilot employer trials; secured ₹6L seed funding from NASSCOM.

ACTIVITIES

Lead, BVEST Hackathon

Aug 2023

- Raised INR 3L sponsorship; coordinated 350+ participants; managed a 100-member team.

General Secretary, BVP ISTE

Jan 2022 - Jan 2023

- Managed 150 students; expanded club operations and held programming competitions.

PUBLICATIONS

- Multi-featured Speech Emotion Recognition Using Extended CNN (Springer LNCS)

2023

- Vision-Based Human Activity Recognition Using CNN and LSTM Architecture.

2023