

# RITHUL KAMESH

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## EDUCATION

### PES University

B.Tech in Electronics and Communication Engineering, Expected May 2027

Bengaluru, India

Aug 2023 – May 2027

## EXPERIENCE

### Devsper

Founder and Chief Executive Officer

Bengaluru, India

Aug 2025 – Present

- Engineered automated triage workflows reducing bug resolution time by 200% using ML classification algorithms
- Optimized CI/CD pipelines reducing build times by 90%; built scalable infrastructure serving 10+ enterprise clients with 99.9% uptime

### Studojo

Chief Technology Officer

Remote

May 2025 – Present

- Architected AI-powered job search platform with semantic search indexing 20,000+ daily listings with 98% success rate
- Established production-grade observability with automated rollback systems and zero-downtime deployments

### PES University - Photonics and Quantum Technology Lab

Research Assistant

Bengaluru, India

Feb 2025 – Present

- Conducting research on quantum AI applications and developing computational models for quantum algorithms under Dr. Kaustav Bhowmick

## PROJECTS

### Prismo - High-Performance FDTD Solver for Photonics

Nov 2023 – May 2024

Python — CUDA — CuPy — GPU Computing

- Developed GPU-accelerated electromagnetic solver achieving 80M cells/second throughput on NVIDIA A100 GPUs
- Engineered support for dispersive materials, PML boundaries, S-parameter extraction with modular Python API

### Docproc - Document Processing Framework

Feb 2025

Python — OCR — Machine Learning — NLP

- Developed open-source framework for structured extraction from PDF, Word, and scanned images with 95% accuracy

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, C++, CUDA, SQL, Bash

**Frameworks:** React, Next.js, Node.js, FastAPI, Flask, TensorFlow, PyTorch, CuPy

**DevOps:** Docker, Kubernetes, CI/CD, GitHub Actions, Jenkins, Terraform, AWS, GCP

**Tools:** Git, Linux, PostgreSQL, Redis, MongoDB, Elasticsearch, Prometheus, Grafana

**Specializations:** Machine Learning, GPU Computing, Web Scraping, ETL Pipelines, Quantum Computing

## ACHIEVEMENTS

### Hack Night 6.0 - Second Place

Oct 2024

Secured second place among 50+ participants for innovative open-source contribution

### dotSlash '24 - Technical Mentor

Jan 2024

Mentored 50+ participants during PES University's 24-hour hackathon on full-stack development and DevOps