

RITHUL KAMESH

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EDUCATION

PES University <i>B.Tech in Electronics and Communication Engineering, Expected May 2027</i>	Bengaluru, India Aug 2023 – May 2027
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EXPERIENCE

Devsper <i>Founder and Chief Executive Officer</i>	Bengaluru, India Aug 2025 – Present
<ul style="list-style-type: none">Engineered automated triage workflows reducing bug resolution time by 200% using ML classification algorithmsOptimized CI/CD pipelines reducing build times by 90%; built scalable infrastructure serving 10+ enterprise clients with 99.9% uptime	
Studiojo <i>Chief Technology Officer</i>	Remote May 2025 – Present
<ul style="list-style-type: none">Architected AI-powered job search platform with semantic search indexing 20,000+ daily listings with 98% success rateEstablished production-grade observability with automated rollback systems and zero-downtime deployments	
PES University - Photonics and Quantum Technology Lab <i>Research Assistant</i>	Bengaluru, India Feb 2025 – Present
<ul style="list-style-type: none">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 <i>Python — CUDA — CuPy — GPU Computing</i>	Nov 2023 – May 2024
<ul style="list-style-type: none">Developed GPU-accelerated electromagnetic solver achieving 80M cells/second throughput on NVIDIA A100 GPUsEngineered support for dispersive materials, PML boundaries, S-parameter extraction with modular Python API	
Docproc - Document Processing Framework <i>Python — OCR — Machine Learning — NLP</i>	Feb 2025
<ul style="list-style-type: none">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 Secured second place among 50+ participants for innovative open-source contribution	Oct 2024
dotSlash '24 - Technical Mentor Mentored 50+ participants during PES University's 24-hour hackathon on full-stack development and DevOps	Jan 2024