

DHRUV K SHETTY

Full Stack Developer | Solutions Architect | Software Engineer

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EDUCATION

New York University - Courant Institute of Science & Stern School of Business

New York, US

Master of Science in Computing, Entrepreneurship and Innovation. GPA : 3.88/4

July '22 - December '23

Teaching Assistant - DevOps and Agile Methodologies.

PES University

Bengaluru, India

Bachelor of Technology in Computer Science and Engineering.

June '18 - May '22

Winner of Riskcovry Hackathon (2021), Winner of Prakalpa Ideathon (2019).

TECHNICAL SKILLS

Programming Languages: Python, Typescript, Go, Dart, Java, Javascript

Core Development Skills: React & Node.js (web), Flutter (mobile), Django, Flask, FastAPI (backend)

Tools & Platforms: Restful API's, Git, AWS, GCP, Docker, Kubernetes

PROFESSIONAL EXPERIENCE

Pyramid Developers | Technology Development Studio

Bengaluru, India + New York, US

Senior Software Engineer

January '20 – April '24

- Spearheaded development of 30 consumer + business facing software solutions for global clientele across industries.
- Engineered cross-platform applications using Flutter and Python, mastering new skills within short two-week timeframes.
- Implemented and optimized docker based microservices boosting scalability and reducing downtime by 40%.
- Integrated Firebase into active projects, successfully managing rapid scalability from 100 to 45,000 users without issues.
- Deployed various GitHub Action pipelines, reducing deployment manpower from 20+ hours to zero.

Hewlett Packard Enterprise

Bengaluru, India

Research and Development Intern, Greenlake Data Services Cloud Console

January '22 – June '22

- Developed a monitoring platform for HPE microservices, improving response times and operational efficiency by 30%.
- Improved stability by 25% by integrating Prometheus and Grafana for advanced real-time analytics of 50+ target points.
- Collaborated effectively in a fast-paced environment, coordinating with a cross-functional team of 10 to achieve project goals and deliver successful outcomes, resulting in project satisfaction above 90%.
- Authored technical documentation and system diagrams to support project requirements and assist new team members.

ADDITIONAL EXPERIENCE

Maigrate | No-code platform to create AI copilots

New York, USA

Entrepreneurship with [Evan Korth](#) - [Link to website](#)

May '23 – December '23

- Architected and launched the Minimum Viable Product increasing customer acquisition by 30% within the first quarter.
- Achieved 99.99% uptime by configuring scalable AWS cloud computing environments, with continuous integration as docker containers uploaded into ECR followed by continuous deployment into ECS accessible through a load balancer.

Collision Prediction and Semantic Segmentation, NYU

New York, USA

Deep Learning with [Yann LeCunn](#) - [Link to Github](#) + [Youtube](#)

January '23 – May '23

- Developed 'WNet', a dual UNet model for predictive semantic segmentation in video, securing 2nd placement in NYU's Machine Learning challenge by achieving a 0.442 Jaccard index.
- Achieved a substantial enhancement in the model's predictive capability by applying autoregressive techniques to train the predictor to generate successive frames incrementally, leading to a more accurate final frame prediction.

Recommendations Squad, E-commerce, NYU

New York, USA

DevOps and Agile Methodologies with [John Rofrano](#) - [Link to Github](#)

September '22 – December '22

- Implemented a RESTful Flask API for e-commerce recommendations, improving user conversion rates by 20%.
- Orchestrated Docker Containers, CI/CD pipelines and Kubernetes Clusters reducing deployment time by 60% and facilitated zero-downtime updates during peak traffic periods.
- Instituted testing protocols using Python unit testing framework, decreasing post-deployment bugs by 90%.

ADDITIONAL INFORMATION

More Experience: Engineering Intern at Riskcovry, Student Brand Manager at Red Bull, President of ECell.

Interests: Volunteering (Jyoti Program, 5 years teaching underprivileged kids), Volleyball (State Team)