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
Master of Science in Computing, Entrepreneurship and Innovation. GPA : 3.88/4
Teaching Assistant - DevOps and Agile Methodologies.

New York, US
July '22 - December '23

PES University
Bachelor of Technology in Computer Science and Engineering.
Winner of Riskcovry Hackathon (2021), Winner of Prakalpa Ideathon (2019).

Bengaluru, India
June '18 - May '22

TECHNICAL SKILLS

Programming Languages: Python, Typescript, Go, Dart, Java, Javascript
Core Development Skills: React, NextJS & Node.js (web), Flutter (mobile), Django, Flask, FastAPI (backend)
Tools & Platforms: Restful API's, Git, AWS, GCP, Docker, Kubernetes

PROFESSIONAL EXPERIENCE

Truemark | *Enabling AI within Education*
Founding Engineer

New York, US
September '24 - Present

- Developed and integrated collaborative editing capabilities, LMS integrations, and parsing automation, enhancing user engagement and driving a 60% increase in feature adoption rates.
- Implemented CI/CD pipelines and Kubernetes-based deployment solutions, reducing production deployment time by 90% and enhancing system reliability by 70%.
- Established comprehensive testing pipelines, achieving 76% code coverage, resulting in a 25% reduction in bug reports.

Pyramid Developers | *Technology Development Studio*
Senior Software Engineer

Bengaluru, India + New York, US
January '20 – April '24

- Spearheaded development of 30 consumer + business facing software solutions for global clientele across industries.
- 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.

Hewlett Packard Enterprise
Research and Development Intern, Greenlake Data Services Cloud Console

Bengaluru, India
January '22 – June '22

- Developed a monitoring platform for HPE microservices, improving response times and operational efficiency by 30%.
- 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*
Entrepreneurship with Evan Korth - Link to website

New York, USA
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
Deep Learning with Yann LeCunn - Link to Github + Youtube

New York, USA
January '23 – May '23

- Developed 'WNet', a dual UNet AI 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
DevOps and Agile Methodologies with John Rofrano - Link to Github

New York, USA
September '22 – December '22

- Implemented a RESTful Flask API for e-commerce recommendations, improving user conversion rates by 20%.
- 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)