

# Vishesh Choudhary

## Software Engineer

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## SUMMARY

**Software engineer with 1.5 years of experience** designing, developing, and deploying scalable products using **Python, Golang, Rust**. Proficient in **full-stack development and backend architecture** with a strong focus on solving complex challenges. Expertise in building and deploying **machine learning** models using **TensorFlow, PyTorch**

## EXPERIENCE

**Tune AI** **06/2023 – 02/2024**  
**Machine Learning Engineer**  
*Internship*

- Engineered and automated **end-to-end ML pipelines** (training, validation, deployment), cutting experimentation **cycle time by 40%** and **accelerating feature delivery**.
- Deployed **production-ready ML** models **serving real-time predictions at scale**, improving **decision accuracy** across client-facing systems.
- Partnered with cross-functional product, infra, and data teams to drive **seamless ML adoption**, boosting **system reliability** and reducing downtime.

**Economize.cloud** **01/2022 – 07/2022**  
**Backend Developer & UI/UX Engineer**  
*Internship*

- Designed and shipped **responsive, data-driven** UIs used by **1K+ users**, increasing task completion speed by **30%** and cutting onboarding friction.
- Developed backend integrations with **Google Cloud Platform** and **SendGrid API**, reducing manual communication workflows by **25%**.
- Collaborated with designers and engineers to **deliver pixel-perfect**, user-centric experiences, raising customer satisfaction scores.
- Contributed to a **scalable cloud cost-optimization** platform, enabling clients to cut infrastructure expenses by measurable margins.

## TECHNICAL SKILLS

### Programming Languages

Python, Rust, Go, C++, Java, SQL, Shell, Unity, C#

### Mobile Development

Native Android, Flutter, React Native

### Web Development

Three.js, Vue, React

### Machine Learning Libraries & Tools

TensorFlow, PyTorch, Scikit-learn, OpenCV, NumPy, Pandas

### Data Handling & Visualization

Big Data Processing, Data Quality Inspection, Data Preprocessing

### Cloud & Deployment Technologies

Docker, Kubernetes, AWS, Terraform

## CERTIFICATIONS

- Concurrent Programming With GO
- Building Distributed Applications with GO
- Bayesian Methods for Machine Learning
- DeepLearning.AI TensorFlow Developer
- Advanced Linear Models for Data Science 1: Least Squares
- Advanced Linear Models for Data Science 2: Statistical Linear Models
- End-to-End Machine Learning with TensorFlow
- Sequence Models for Time Series and Natural Language Processing on Google Cloud
- Deep Learning Specialization
- End-to-End Machine Learning with TensorFlow
- Production Machine Learning Systems
- Recommendation Systems with TensorFlow

## PROJECTS

- **DDoS Attack Mitigation Using SDN and MLP:** Developed MLP models to detect DDoS patterns and integrated with SDN for dynamic network adjustments.
- **Session Hijacking Prevention:** Built a secure session management system using Rust, Go, and Kerberos.
- **Go Based Sitemap Crawler for SEO (Search Engine Optimisation):** Automated SEO data extraction using Go with sitemap parsing and multi-URL handling.

## EDUCATION

### Vellore Institute of Technology

Integrated Master of Technology (MTech.), Computer Science Engineering · (June 2020 - July 2025)

Grade: 9.03/10.0 CGPA, Grade - S