

# LUCKY VERMA

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## EDUCATION

### University of Maryland, Baltimore County

*Masters of Science in Computer Science*

Baltimore, MD

Aug. 2021 – May 2023

### SRM University

*Bachelor of Technology in Electrical & Electronics Engineering*

Chennai, IN

July 2015 – May 2019

## TECHNICAL SKILLS

**Languages:** Python, C++, SQL (Postgres/PostGIS), JavaScript, HTML/CSS

**Frameworks:** PyTorch, Django, React, TensorFlow, PySpark, ELK stack, Scikit-Learn

**Developer Tools:** Git, Postman, AWS, TravisCI/Jenkins, Docker, VS Code, PyCharm, Tableau

**Libraries:** Pandas, NumPy, Matplotlib, Transformers, SciPy, Plotly

## EXPERIENCE

### AI Specialist - III

*Vast Dream Group*

Jan. 2021 – Aug 2021

*Sydney, AU*

- Focused in Computer vision, Natural Language Processing & Data modeling.
- Implemented Unilm algorithm to fine tune document classifier with roughly 98% accuracy.
- Developed Core AI algorithm for an in-house project.

### Full Stack Developer

*TandM Techlabs*

May 2020 – Nov. 2020

*Bangalore, IN*

- Developed a product that offers services for Urban Mobility dealing with B2B solutions.
- Implemented GEOspatial Data sciences, Data visualizations, and Analytics for developing the services.
- Created routing, discovery, and orchestrating micro-services using UDST Toolkit.

### Full Stack Developer

*Freelancer*

June. 2018 – Present

*Mumbai, IN*

- Developed REST APIs in the Django framework for a Fintech Client recently acquired by Swipe.
- Developed a Learning Management System serving thousands of students at *CAT Assist*.
- Built intelligent payments integrated bots in Python using several platform's APIs.
- Conducted several client demos worldwide covering various fields.
- Contributed 10K+ lines of code to an established codebase via Git

## PROJECTS & ACADEMIC PUBLICATIONS

### Portfolio Asset Allocation | *Python, TimescaleDB, Django*

May 2018 – May 2020

- Implemented portfolio optimization and quantitative strategic asset allocation on Indian Stocks data.
- Built investment portfolios based on mathematically complex models with low effort.
- Customized Quantstats to serve in-depth analytics and risk metrics.
- Minimized risk and maximized returns upto 4x from benchmark.

### Covid-19 Tracker | *Python, Django, React, PostgreSQL, Docker*

June 2020 – Nov 2020

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend.
- Visualized the data points gathered from various unofficial sources eg. twitter, etc.
- Used Celery and Redis for asynchronous tasks.

### Gesture control of drone using Leap Motion | *NodeJS, LeapMotion, Arduino*

Aug 2019 – May 2020

- Implemented JohnnyFive framework on the websocket i/o from leap Motion controller to direct 3D motion.
- Data feed handled to Firmata script in Arduino to handle analog signals.
- Paper published in International Journal of Control and Automation (IJCA)

## INTERNSHIPS & EXTRA-CURRICULAR

Android Developer | *CodeBind Technologies*

June 2017

Web-Development of Dept. Fest - VERSIO, | *SRM University*

Jan. 2018 – Apr. 2018

Industrial Training | *NTPC, Dadri*

Aug. 2018