

# Yash Bhandare

CA, USA | 2608880296 | [yashbhandare1708@gmail.com](mailto:yashbhandare1708@gmail.com) | [linkedin.com/in/yashbhandare](https://linkedin.com/in/yashbhandare) | [yash-1708.github.io/](https://yash-1708.github.io/)

## SUMMARY

Data-driven developer with 4+ years of experience in backend, data science, Machine Learning, DevOps, and UX. Skilled in Python, RESTful Services, SQL, AWS, TypeScript. Currently optimizing data pipelines and research workflows for Google's XR team.

## WORK EXPERIENCE

### Data Specialist | Google (TVC)

Sep 2024 - Current

- Collaborated with technical and non-technical stakeholders to pioneer a new research study protocol for multimodal LLMs.
- Automated 5 workflows to reduce 60% of manual workload for novel AR/XR research studies with Google Apps Scripts.
- Streamlined linux debugging for VR devices reducing resolution time by 70% by RCA and developing monitoring dashboards.
- Set up and trained team for Scrum model from Scratch and currently Scrum master, increased throughput/velocity by 50%.

### Graduate Teaching Assistant and Instructor | Purdue University

Aug 2023 - May 2024

- GTA for "Intro to Comp. Sci. 1 and 2" courses and independent lecturer for "Computers in Society" course.
- Tutored 80+ students in bash, DBMS, OOP, Data Structures, Algorithms, Java, JavaFX, UI/UX, Good Coding Practices.

### Senior Software Development Engineer | Avalara

May 2020 - July 2022

- Created enterprise data Monitoring dashboard using Grafana, Prometheus with Data Ingestion pipeline for SQL logs.
- Automated JIRA tickets with Python3 and Linux shell scripts to improve ticket queue sizes by 75%.
- Deployed Terraform IaC on AWS like EC2, Lambda, Step Function, API Gateway, SQS, RDS, S3 and handled Gitlab CI/CD YAML.
- Scrum master orchestrating agile SDLC resulting +35% in team velocity and AppSec POC for NPM, IAM tickets (CMKs, ACLs).
- Developed 50+ REST APIs in Express.js with TypeScript, Node.js in MVC architecture documented in OpenAPI.

### Machine Learning Engineer | Metalbrain Technologies Pvt.Ltd.

May 2019 - May 2020

- Managed end-to-end project by translating client requirements into scalable enterprise-ready ML POC solution.
- Developed an approach providing unbiased rating to 500+ stock analysts based on 3 years of data achieving 92% accuracy.
- Implemented with Naive Bayes Classifier, K-Means, ETL pipeline with a MySQL backend deployed on Azure as a web app.

### Software Development Intern | Fairlinx (FSMPro)

Jul 2018 - Sep 2018

- Collaborated on a state machine to code tool with Qt framework in C++, designing and testing a UI with 20+ features.

## EDUCATION

**Purdue University** | MS, Computer Science (4.00/4.00 GPA)

Aug 2022 - May 2024

**Savitribai Phule Pune University** | BE, Computer Science (8.41/10.00 GPA)

Aug 2016 - Jan 2020

## CERTIFICATIONS

- |                   |                      |                |
|-------------------|----------------------|----------------|
| • AWS CCP         | • Toastmasters CC,CL | • Node.js      |
| • Data Governance | • DBMS (SQL)         | • Scrum Master |

## TECHNICAL SKILLS

- **Data Science:** Deep Learning (DNN, CNN), Reinforcement Learning, Statistical Modelling, Model Evaluation, Feature Engineering, Hyperparameter Tuning, GAN, GenAI, Metaheuristic Algorithms, Data Visualization, NLP, Computer Vision.
- **Languages:** Python, SQL, R, C++, Bash, TypeScript, Java.
- **ML Libraries:** TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy, Seaborn, SciPy, Matplotlib, XGBoost, LGBM, Plotly.
- **Databases:** MySQL, PostgreSQL, Firebase, Redis, Neo4j, MongoDB, SQLite, Spark.
- **DevOps/MLOps/Cloud Services:** AWS, Azure, Docker, Kubernetes, Terraform, GitLab CI/CD, Jenkins.
- **Other Tools:** Git, Tableau, Jupyter Notebooks, Anaconda, Grafana, Confluence, JIRA, Prometheus, Sumologic, Whitesource.

## ACADEMIC PROJECTS & RESEARCH PUBLICATIONS

- **SMART: Stock Market Analyst Rating Technique Using Naive Bayes Classifier** – published in IEEE INCET 2020.
- **Hyperparameter tuning using simulated annealing and genetic algorithms** – Solutions for hyperparameter optimization using metaheuristic algorithms. Tested on XGBoost and RForest models. Publication pending.
- **Translate, transcribe and subtitle** – Real time translation/transcription project based on OpenAI's WhisperAI NLP.
- **Portfolio Webpage (UA Aspect)** – Portfolio webpage with SEO and UA analysis using Google Analytics dashboard to monitor DAU, LTV, Demographics, Downloads and other metrics aimed at improving and directing my job search.