

# First Last



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## EDUCATION

### My University

Bachelors of Science in Undecided (GPA: 4.00 / 4.00)

Expected Expected 01/24

San Jose, CA

- **Relevant Coursework:** Algorithms, Data Structures

## EXPERIENCE

### DataSys Solutions

May 2021 – Dec 2022

Data Engineer

Boston, MA

- Built ETL pipelines to process terabytes of structured and unstructured data using Apache Airflow and Spark.
- Designed and implemented data models in a Snowflake data warehouse, optimizing data retrieval and storage for analysis.
- Automated data validation processes, significantly reducing errors and improving data quality by 70%.
- Collaborated with data scientists to preprocess and expose datasets through APIs for machine learning applications.

### AI Ventures

Jun 2020 – Apr 2021

Machine Learning Intern

Chicago, IL

- Developed deep learning models for image classification using PyTorch and TensorFlow, with an emphasis on transfer learning techniques.
- Built and deployed REST APIs to serve machine learning predictions, ensuring efficient integration of ML models into production workflows.
- Conducted hyperparameter tuning to optimize model performance, resulting in a 15% increase in accuracy.
- Documented and presented model results to stakeholders, providing actionable insights to guide business decisions.

### Tech Innovators Inc.

Jan 2023 – Present

Full Stack Developer

San Jose, CA

- Designed and deployed responsive web applications and integrated data-driven solutions using React, Node.js, and PostgreSQL.
- Managed CI/CD pipelines using Jenkins and GitHub Actions, ensuring seamless deployments for machine learning models.
- Mentored junior developers on coding best practices, enhancing team productivity and code reliability.
- Participated in sprint planning sessions, applying Agile methodologies to align project goals with business objectives.

## PROJECTS

### AI-Assisted Code Review Tool | Python, Flask, NLP, GitHub API, Docker

- Developed an AI-assisted code review tool leveraging natural language processing to analyze code and suggest improvements.
- Integrated with the GitHub API to automate pull request comments, enhancing developer collaboration and review efficiency.
- Successfully reduced code review time by 40% in initial deployment, significantly improving team workflow.
- Utilized Docker for scalable deployment, facilitating integration into existing CI/CD pipelines.

### Real-Time Financial Market Dashboard | Python, Flask, React, WebSocket, MongoDB, AWS Lambda

- Engineered a real-time financial market dashboard for streaming stock and cryptocurrency data, achieving sub-second latency.
- Built backend services with Flask and MongoDB for data persistence and developed a responsive frontend using React.
- Leveraged AWS Lambda for processing and aggregating large volumes of financial data, ensuring high availability and performance.
- Integrated interactive visualizations that facilitate market trend analysis, enhancing decision-making capabilities.

### Smart Traffic Control System | Python, OpenCV, Raspberry Pi, MQTT, TensorFlow

- Designed an AI-powered traffic control system utilizing Raspberry Pi and TensorFlow to classify vehicles and manage traffic signals.
- Implemented real-time video processing with OpenCV, leading to a simulated 25% reduction in traffic congestion.
- Integrated MQTT for effective communication between edge devices and a central server, optimizing data flow.
- Conducted simulations to validate system performance, with positive feedback for efficiency improvements.

## TECHNICAL SKILLS

**Languages:** Rust, Kotlin, Swift, Go, Scala, TypeScript, R, Perl, Haskell, Groovy, Julia, Dart

**Technologies:** React.js, Angular, Vue.js, Django, Flask, Ruby on Rails, Spring Boot, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap, Laravel, Flask, ASP.NET, Node.js, Electron, Android SDK, iOS SDK, Symfony

**Concepts:** Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, Agile Methodology, Cloud Computing