

Aniruddh Krovvidi

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EDUCATION

UC San Diego

San Diego, CA

BS in Computer Science, GPA: 3.8/4.0, Provost Honors (All Quarters)

Sep. 2022 – June 2025

- Relevant Coursework: Data Structures, Algorithms, Machine Learning, Software Engineering, Web Development

- **Vice President: Tech** @ Tau Beta Pi Engineering Honors Society

April 2024 – Present

EXPERIENCE

Software Development Intern

June 2024 – Sep. 2024

Ericsson

Bangalore, IN

- Migrated the Customer Care project to a new tech stack using **React.js**, **Django** and **SQLite**, driving end-to-end full-stack development.
- Created an analytics admin dashboard within Customer Care, with advanced querying, visualizations, and data export functionalities.
- Adhered to **Agile** and **Scrum** practices, utilizing **Jira** for effective sprint planning and team collaboration.
- Introduced CI/CD pipelines with **GitHub Actions** for building and testing, saving **60+** minutes of daily development time.

Junior Software Intern

July 2023 – Sep. 2023

Atos

Remote

- Collaborated on the development of a critical API, achieving a **40%** reduction in response times.
- Implemented solutions for parsing malformed **JSON** payloads, enhancing error handling and data integrity in API interactions.
- Refactored SQL tables containing **millions** of rows, reducing database size by over **30%** and optimizing **indexing performance**.
- Contributed to the implementation of a new **API monetization model**, resulting in increased revenue within the first quarter of deployment.

PROJECTS

BookHub | *Python, Flask, SQLAlchemy, Werkzeug, JWT, Swagger, SQLite, Postman*

June 2024 – Present

- Developed a Flask based **RESTful API** for a bookstore, providing endpoints for user registration, authentication, and **CRUD** operations on books
- Introduced **JWT** authentication to secure API endpoints, ensuring only authorized users can access and manipulate data.
- Designed and integrated a SQLite database with **SQLAlchemy** for efficient data storage and retrieval.
- Secured user sessions with unique IDs and tokens using **uuid** and **jwt**, preventing token forgery while enhancing user session integrity.
- Documented the API using **Swagger**, enabling easy exploration and testing of endpoints.

CarMania | *React, Node.js, Express, MongoDB, Stripe, Cloudinary*

March 2024 – June 2024

- Developed a full-stack web application for buying and selling cars, designed for a local startup.
- Implemented secure user authentication with **JWT** for seamless registration, login, and logout operations.
- Integrated **Stripe API** for seamless payment processing, enhancing the shopping cart experience and contributing to reduced cart abandonment rates.
- Built and optimized **RESTful** APIs for user management and car listings, reducing average response times .
- Applied **Agile** methodology for efficient project management and timely deliveries of project milestones.

StockAI | *Python, pandas, scikit-learn, TensorFlow*

Nov 2023 - Dec 2023

- Achieved a low RMSE of **0.03** for log returns in predicting **NVIDIA** stock prices.
- Utilized advanced technical indicators like **moving averages**, **RSI**, and **Bollinger Bands** and applied log returns to improve model stability and accuracy
- Leveraged **TensorFlow** to enhance prediction accuracy and handle complex relationships in financial data.
- Applied **MinMaxScaler** to preprocess and scale data, ensuring models effectively learned from diverse stock market conditions.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, MongoDB, JavaScript, Swift, HTML, CSS, Bash, MATLAB

Frameworks: React, Node.js, Flask, JUnit, WordPress, SwiftUI

Developer Tools: Git, Docker, TravisCI, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib, scikit-learn