

# Aniruddh Krovvidi

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## EDUCATION

### UC San Diego

*BS in Computer Science*

San Diego, CA

*Sep. 2022 – June 2026*

- 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

*Ericsson*

June 2024 – Sep. 2024

*Bengaluru, India*

- 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

*Atos*

July 2023 – Sep. 2023

*Remote*

- Collaborated on the development of a critical API, achieving a **40%** reduction in response times.
- Gained hands-on experience by shadowing senior developers, working with **APIGEE** and learning architectural best practices.
- 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, Clouinary*

March 2024 – June 2024

- Developed a full-stack web application for buying and selling cars, designed for a startup in Dubai.
- 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