

# Aashay Dharmesh Shah

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## EDUCATION

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- **Stony Brook University** New York  
• *Masters of Science in Computer Science; GPA: 4.0/4.0* May 2025  
*Courses: Data Structures, Algorithms Analysis, Operating Systems, Distributed Systems, Database Management, Cloud Computing, Software Engineering, Project Management.*

## SKILLS SUMMARY

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- **Languages:** Python, Java, SQL, HTML/CSS, JavaScript, XSL, Dart, Go, C, C++, LaTeX
- **Tools:** Spring, Node.JS, React.JS
- **Frameworks:** MATLAB, Git

## EXPERIENCE

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- **Oracle Financial Services Software** Mumbai, India  
*Software Developer* July 2021 - July 2023
  - Developed web applications using Java, Spring framework, and JavaScript, contributing to the creation of a scalable microservices ecosystem.
  - Collaborated with UX designers and other developers to build modular and reusable components, resulting in compelling web applications.
  - Implemented responsive single-page web applications using modern JavaScript libraries/frameworks such as ReactJS, ReactNative, and Node.js.
  - Followed best practices and maintained high coding standards to create pixel perfect solutions and deliver exceptional user experiences.

- **Arcon Tech Solutions** Mumbai, India  
*Software Engineer Intern* June 2020 - August 2020
  - Utilized my proficiency in Java, Ruby, and Python to develop web applications and leverage web frameworks like Spring, Django, and Flask.
  - Designed and built single-page applications using JavaScript frameworks such as ReactJS, ensuring an interactive and seamless user interface.
  - Demonstrated knowledge of web standards, cross-browser compatibility, and browser rendering behavior to optimize performance and user experience.
  - Employed Agile methodologies to collaborate with stakeholders and meet project requirements, resulting in successful software solutions.

- **Somaiya Vidyavihar University** Mumbai, India  
*Software Developer Intern* January 2020 - May 2020
  - Applied my expertise in PHP and MySQL to design and develop a course allocation system within the college portal, automating and streamlining the process by 85%.
  - Utilized HTML5, CSS3, and JavaScript to enhance the front-end features of the course allocation system, resulting in improved user interface and user experience.
  - Implemented security features, including multi-factor authentication and risk assessment tools, to mitigate fraudulent transactions, reducing them by 60%.
- Demonstrated effective written and communication skills in collaborating with stakeholders and identifying gaps in production deployment, leading to an increase in revenue by 1M.

## PROJECTS

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### Legal Epidemiology

- Present

*Python, React, JavaScript, Data Engineering, Data Analysis*

*github*

- Utilized React and JavaScript to automate the development of Geo Maps for US Counties with diverse data sets, reducing AK Analyst's reliance on hard-wired data.
- Extracted patterns from legislation data to estimate the impact on opioid-related fatalities across all US Counties, providing valuable insights for decision-making.
- Implemented scalable and responsive web application components to visualize data and enhance user experience.
- Improved data analysis efficiency by leveraging modern JavaScript libraries and frameworks like ReactJS, resulting in faster and more accurate insights.

### Predictive Analysis of Crowdfunding Platforms

- Present

*Python, Machine Learning, NLP*

*github*

- Developed a predictive model using classification and regression techniques to estimate the success likelihood and potential funding amounts for Kickstarter Projects.
- Utilized NLP techniques to analyze and recommend keywords for project descriptions, improving the project's visibility and success rate.
- Implemented APIs to integrate the predictive model with the application, providing real-time recommendations and insights to project creators.
- Improved the overall success rate of Kickstarter Projects from 30% to 40% by leveraging machine learning and data analysis.

### Flusion

- Present

*Dart, Flutter, Firebase, Wireframes, User Stories*

*github*

- Designed and developed a scalable e-commerce mobile application using Flutter and Dart technologies.
- Integrated APIs and implemented caching techniques to optimize performance and reduce API calls, resulting in a 35% improvement in application speed.
- Implemented efficient Firebase schemas to manage real-time data for over 10,000 products, user details, payment information, and inventory, reducing manual tasks by 25%.
- Collaborated with cross-functional teams to ensure seamless integration of the mobile application with backend systems and third-party services.