AAYUSH PAREKH
SOFTWARE ENGINEER

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- MyGitHub

TECHNICAL SKILLS

- **Languages** - Java, Python, C/C++, C#, Ruby, OCaml, HTML, Javascript, CSS, MySQL, Rust, R, Matlab
- **Frameworks** - ReactJS, NodeJS, Django, Ruby on Rails,
- Flutter, Unity, Docker, Selenium, MongoDB, PostgreSQL
- **Developer tools** - Eclipse, Anaconda, Google Colab, Git, JupyterHub
- **Libraries** - OpenCV, JavaFX, Pandas, NumPy, TensorFlow, PyTorch

EDUCATION

UNIVERSITY OF MARYLAND
B.S. in Computer Science
Minor in Mathematics
August 2020 - May 2024
GPA - 3.43

AWARDS AND ACHIEVEMENTS

DEAN'S LIST
Fall 2020 - Fall 2022

WORLD MATHEMATICS TEAM CHAMPIONSHIP
Bronze medalist in the individual category
September 2019

EXPERIENCES

Web PXL
Web Developer Intern   *April 2022 - December 2022*

- Developed a comprehensive end-of-sale system for Almonard, a fan company, with a team of 4.
- Implemented web solutions for a jewelry business using ASP.NET Core, Web Forms, JavaScript, JQuery, HTML, CSS, NodeJS, and ReactJS.
- Focused on full lifecycle development, from client requirements to system design and deployment.

ASAPP Info Global Group
Web Developer Intern   *May 2021 - August 2021*

- Developed a comprehensive e-commerce platform with a team of 3, utilizing HTML/CSS, JavaScript, Python, React.js, and Bootstrap for end-to-end development from UI/UX design to payment integration.
- Enhanced client engagement and sales for architectural and interior design products

The Hive Collaborative Workspaces
Data Science Intern   *May 2020 - August 2020*

- Utilized Python and Selenium for sophisticated web scraping of competitors'(like WeWork) dynamic social media and websites
- Integrated Twitter and Instagram APIs for data collection. Employed Machine Learning (SVM, Decision Trees, Naive Bayes, Random Forest) for sentiment analysis and managed data with SQL for insightful analytics.

PROJECTS

- **Spam Guardian -** Authored a research thesis on sophisticated email spam filtering using Machine Learning, comparing Naïve Bayes and Multilayer Perceptron algorithms, and honing skills in data mining and text categorization.
- **POS System for Kripa Sarees -** Designed and implemented a Java-based GUI for Kripa Sarees' retail management, using Java Swing to meet specific client needs for material tracking and purchase management.
- **MicroCaml Compiler -** Created lexer, parser, and evaluator components that tokenize input, generate Abstract Syntax Trees (AST), and execute ASTs for precise outcomes.