

Avinash Paluri

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EDUCATION

Rutgers University-New Brunswick

Bachelor of Science in Computer Science, Bachelor of Arts in Data Science

New Brunswick, NJ

Sep. 2021 – Jan. 2025

EXPERIENCE

SDE Intern

June 2023 – August 2023

Amazon

Seattle, WA

- Developed a REST API using Java, Smithy, AWS Lambda, AWS API Gateway, AWS S3, and TypeScript, significantly enhancing the efficiency of bill computation and simulation processes by 50%.
- Designed and implemented a robust Validation class, automating 85% of manual tasks in the regression testing process. This not only ensured precision and accuracy but also expedited overall project timelines.
- Designed and implemented an extensible validator, reducing processing time by an impressive 60% without compromising on the highest quality standards. This innovation contributed to a more agile and scalable software development lifecycle.

PROJECTS

Slickdeals Web Scraper | *Python, Pandas, BeautifulSoup*

June 2021 – Sep. 2021

- Developed a highly efficient web scraping application using Python, Pandas, and BeautifulSoup to systematically extract and organize the top 50 deals from the Slickdeals website.
- Designed data processing pipelines to clean and structure the collected information, ensuring its usability and relevance for further analysis.
- Implemented automation techniques to regularly update the deal database, keeping it current and valuable for users.

University Registration System | *Java, SQL, HTML, JavaScript, Maven, Git*

June 2022 – Aug. 2022

- Led the development of a comprehensive University Registration System using Java, SQL, HTML, and JavaScript.
- Designed an intuitive and user-friendly front-end interface using HTML and JavaScript, enhancing the registration experience for students.
- Implemented a robust back-end system in Java, leveraging MySQL for efficient database management, ensuring seamless data storage and retrieval.
- Utilized Maven for project build automation and Git for version control, facilitating collaboration among the project team and ensuring project scalability and maintainability.

Meal Planner App | *Swift, SwiftUI, Google Firebase, Git*

May 2023 – Oct 2023

- Developed a cutting-edge Meal Planner App for iOS, utilizing Swift and SwiftUI to provide users with a seamless meal planning experience.
- Integrated Google Firebase to enable real-time collaboration and data synchronization, ensuring that users can effortlessly plan meals with up-to-date information.
- Designed an intuitive and user-friendly interface using SwiftUI, enhancing the user experience and making meal planning a breeze.

Personal Portfolio Website | *React, HTML, CSS, JavaScript*

Jan. 2023 – Present

- Developed a personal portfolio website to showcase skills, projects, and achievements, enhancing self-branding and professional visibility.
- Implemented dynamic features using React for a seamless and interactive user experience.
- Designed an aesthetically pleasing and responsive user interface using HTML and CSS, ensuring accessibility across various devices.
- Included project showcase, resume download, and a contact form to facilitate communication with potential employers and collaborators.
- Hosted the website on GitHub, utilizing Git for version control.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, R, Swift

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, SwiftUI

Developer Tools: Git, Docker, Google Cloud Platform, AWS, Visual Studio, PyCharm, IntelliJ, Eclipse