

PRAJWAL SRINIVAS

GRADUATE STUDENT & TEACHING ASSISTANT

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PROFESSIONAL SUMMARY

Graduate student in Computer Science with 1.5 years of experience as a Software developer at CSG. Adept at back end development using API, Java and Perl. Passionate about leveraging advanced academic knowledge and eager to contribute in cutting-edge technology.

EDUCATION

Rutgers University - New Brunswick , Master's in Computer Science

June 2026

MVJ College of Engineering , Bachelors in Computer Science

May 2023

TECHNICAL SKILLS

BACK-END TECHNOLOGIES: Python, Javascript, Java, JDBC, MySql, C/C++ (basics).

FRONT-END TECHNOLOGIES: Flask, Bootstrap, Django, HTML5, CSS, WordPress, PHP.

API TOOLS: PERest API, REST API. Google Serp API.

CLOUD TECHNOLOGIES: Azure Devops, AWS.

MISCELLANEOUS: Postman, Customer Connect, Git, LaTeX, Jira, Expression Parse Models (Epm), Data Structures.

RELATED WORK EXPERIENCE

RUTGERS UNIVERSITY | JavaScript, HTML, CSS, SQL

TEACHING ASSISTANT AND GRADER | NEW BRUNSWICK, NJ

Sept 2024 - Present

- Teaching HTML, CSS, JavaScript and SQL Programming to 50+ Students Strengthening their web development and coding proficiency. which resulted in a 25% increase in average performance on practical assignments.
- Planning and Providing lab support,office hours and Mentoring for over 100 students, Assisting to reduce assignment submission errors by 30% and increasing on-time project completions by 20%.

CSG INTERNATIONAL | RESTApi, Azure-Devops, Postman, Java, Perl, Jira.

SOFTWARE DEVELOPER GRAD AND INTERN | BENGALURU , INDIA

Feb 2023 - Aug 2024

Customer Connect- telco-specific desktop agent enhancements

- Ideated and Developed some of key features for Customer Connect, helping streamline customer service operations for telecommunication providers and contributing to the overall software development lifecycle.
- Collaborated on development of new code packs for features in billingCare, Contributing to enhancements of Customer connect billing solutions and improving overall functionality by reducing load on single code pack.
- Collaborated with senior developers to design and implement new features for Customer Connect, gaining experience in agile software development methodologies as part of the SDLC.
- Conducted Comprehensive Testing: Executed rigorous testing protocols for newly developed features, ensuring that all functionalities met quality standards before deployment, which reduced post-release defects by 20%.

Kelesco IT Services PVT LTD | Wordpress, Hostinger, CSS, HTML.

WEBSITE DEVELOPER AND DESIGNER INTERN | MUMBAI , INDIA

May 2022 - Oct 2022

Anyfeast.com

- Led initial website development efforts over a 5-month internship, implementing key features such as recipe exploration, blog functionality, and e-commerce capabilities.
- Architected website infrastructure using WordPress, managing critical components including database setup, hosting configuration via Hostinger, and implementing essential site functionalities.

PROJECTS

Applicant Helper System using Python and NLP

- Innovated and developed an NLP and Flask-based Python project that extracts, compares, and UI visualizes matching and missing skills between resumes and job descriptions and scrapes the job links for the respective skills from the resume, improving resume parsing accuracy by 75% compared to traditional keyword-based systems.
- Engineered a machine learning model achieving 85% accuracy in matching candidate qualifications to job requirements, enhancing the application process for job seekers.
- Implemented advanced natural language processing algorithms that reduced resume screening time by 40%

Fire Extinguisher Bot

- Designed and implemented a dynamic AI fire suppression simulation system using advanced algorithms (BFS, UCS, A*) on a 40x40 grid, achieving up to 90% success rates across varying scenarios.
- Delivered a robust simulation platform that models realistic fire spread and bot navigation under varying probabilistic conditions and achieved measurable success in optimizing bot behavior using advanced heuristic and cost-based algorithms
- Delivered a scalable fire suppression simulation incorporating dynamic fire behavior and heuristic-driven navigation, achieving high success rates across varying probabilistic and environmental conditions.

Movie Rating Parade

- Developed a comprehensive movie rating aggregator using WordPress integrated with Python, streamlining the movie selection process for users.
- Implemented advanced web scraping techniques using Selenium to extract real-time ratings and reviews from IMDB, Rotten Tomatoes, and Google Reviews, providing users with a centralized platform for movie information.
- Integrated Google SERP API to enhance search functionality and improve the accuracy of movie data retrieval, resulting in a more robust and reliable user experience.

Static Website Hosting on Amazon S3

- Deployed a fully functional static website using Amazon S3, including index.html and CSS assets by Configuring bucket properties for public access and enabled website hosting to serve web pages globally.
- Resolved ACL and endpoint accessibility issues, ensuring secure yet publicly accessible website hosting.

Chatbot Development using Amazon Lex

- Built a conversational chatbot using Amazon Lex to understand and respond to user inputs with natural language processing (NLP). Configuring intents such as WelcomeIntent and FallbackIntent to manage user interactions effectively.
- Integrated AWS Lambda with role-based permissions to ensure secure and seamless execution of backend functions.

CERTIFICATIONS

AWS Cloud Practitioner Essentials Certification

AWS

- Gained foundational knowledge of AWS Cloud concepts, including core services, pricing models, security, and cloud architecture best practices.
- Leveraged AWS tools to enhance cloud-based solutions, showcasing proficiency in managing secure and scalable environments

Software Engineering Job Simulation

FORAGE

- Implemented a new Proposal feature in an existing game project, enhancing gameplay and user engagement
- Developed and integrated an Object class, demonstrating proficiency in object oriented programming within a game environment
- Successfully executed bug fixes, improving game stability and performance
- Gained practical insight into professional game development processes at Electronic Arts (EA), including workflow, collaboration, and industry standards

Udemy Certified: Machine Learning A-Z: AI, Python

UDEMY

Developed practical skills in machine learning using Python, including building and deploying models for various applications such as data analysis and predictive analytics. Gained experience with intermediate techniques and real-world

Salesforce Developer Catalyst Program Certification

SALESFORCE

Acquired basic knowledge Salesforce development, including how to use tools like Apex and Lightning components. Gained practical experience in building simple applications and customizing the Salesforce platform