

PRASHANT SAH

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EDUCATION

CUNY – New York City College of Technology

Dec 2023

Bachelor of Technology - Computer System, GPA – 3.87 (Summa Cum Laude)

Coursework: Data Structure and Algorithm, Application Development with Database (Java, Oracle), Dynamic Web Development (JSP, Servlet), Object Oriented Programming/Design, Software Development with .NET, Unix/Linux OS, SQL, NoSQL, Project Management

SKILLS

Languages & Frameworks – Java, Spring Boot, C#, .NET, Python, HTML, CSS, JavaScript, React, Node.js

Database & Architecture – SQL, MySQL, MS SQL Server, MongoDB, Microservices, MVC, OOP, RESTful APIs

Tools – Git, Linux, Apache Technologies, JIRA, SDLC, Agile, CI/CD, Docker, Kubernetes, TDD (Unit & Integration testing), AWS

EXPERIENCE

Comcast (New York, NY)

Software Engineer Intern

May 2023 – Aug 2023

- Led the evolution of video dimension ad request prediction by utilizing **AWS** (S3, Glue, Athena – **SQL**) technologies, **Spark** and **Terraform** resulting in the development of QuickSight dashboard providing real-time insights into ad performance metrics
- Achieved 83% code coverage by writing comprehensive **test cases** using **unittest** and **pytest** frameworks, ensuring the accuracy of data retrieval and metrics calculation
- Automated **ETL** processes using **Python**, boosting efficiency by 20%, enhancing data processing speed and accuracy
- Facilitated seamless team collaboration using **Git** for version control, ensuring a 15% reduction in deployment times through a well-orchestrated **CI/CD** pipeline via Tektons on **Kubernetes**

Codepath (Remote)

Web Development Fellowship

Jan 2023 – Apr 2023

- Mastered the **MERN** stack (MongoDB, Express.js, **React**, and **Node.js**), building 10+ applications from scratch, including an Event Finder app that utilized SeatGeek **API** to retrieve real-time event data across North America
- Optimised **database performance** with **MongoDB**, resulting in a 30% increase in data retrieval efficiency and a 25% reduction in response time for user queries across 20+ features
- Transformed conceptual ideas into functional prototypes, refining user interfaces and optimizing backend processes using **Node.js** to deliver seamless and engaging user experiences

Startup Ecology (New York, NY)

Software Engineer Intern

Jun 2022 – Aug 2022

- Spearheaded the ideation, design, and development of an immersive game using **JavaScript** with **React** Framework, mirroring company ethos while maintaining clean and well-documented code
- Amplified **user engagement** by 46% generating an additional 50k clicks on the company advertisements, leading to a 14% annual growth in the company revenue, reinforcing market presence
- Revitalized team collaboration by implementing structured agendas and **Agile methodologies** for sprint planning, boosting efficiency by 30%, ensuring timely project delivery

CUNY Research Scholars Program (New York, NY)

Machine Learning Researcher - [View](#)

Sept 2021 – Aug 2022

- Built an **anomaly detection model** using ensemble technique by employing PyOD, an outlier detection library in **Python**, SUOD with HBOS and KNN as base detectors resulting an accuracy of up to 93% for WSN data while significantly reducing false positive rates
- **Lead author** of a published academic paper of this research, contributing valuable insights to the field of anomaly detection

PROJECTS

Student Enrollment System (City Tech - [View](#))

Oct 2023 – Dec 2023

- Orchestrated the development of a robust **Java**-based Enrollment System, leveraging advanced **Java Servlets** and Java Server Pages (**JSP**) to create a seamless and secure user experience
- Crafted intricate **MVC** architecture, ensuring a modular and scalable codebase, fostering maintainability and extensibility
- Integrated **MySQL** as the backend database, optimizing data interactions with **JDBC** for performance and reliability

Auto Rental Management System (City Tech - [View](#))

Mar 2023 – May 2023

- Designed and developed a 4-tiered server-client 'Auto Rental Management System' following Agile methodology using **C#** and **.NET**
- Developed a **detailed project document**, covering requirements, conceptual and logical models, data dictionary and used it to implement the database and validate the physical schema design, and created UI, Business class and DA layer following it

CERTIFICATIONS

Spring Boot 3, Spring 6 and Hibernate – [View](#)

Mar 2024

AWS Cloud Technical Essential – [View](#)

Sept 2021

LEADERSHIP AND OTHERS

RippleMatch | Leadership Development Intern | Remote

Mar 2023 – May 2023

- Made an impact on multiple students' lives who landed interviews through my help, leveraging various growth strategies and tools
- Recognized by RippleMatch's Leadership Team as top 15% in terms of intern performance out of a class of 500+ active interns

Interests and Hobbies – ML/AI, Mathematics, Algo Trading, Gym, Hiking, Cycling