

PRASHANT SAH

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EDUCATION

CUNY – New York City College of Technology

December 2023

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

Relevant coursework: Data Structure and Algorithm, Application Development with Database, Dynamic Web Development (JSP & Servlet), Object Oriented Programming/Design, Software Development with .NET, Intro to NoSQL, Project Management

TECHNICAL SKILLS

Languages & Frameworks – Java, JavaFX, Spring, C#, .NET, Python, C++, PHP, HTML, CSS, JavaScript, React, Angular, Node.js
Database & Architecture – SQL, MySQL, MS SQL Server, Oracle DB, PostgreSQL, NoSQL, MongoDB, Microservices, MVC, OOP
Tools – Git, Linux, Tomcat, SDLC, Agile/Scrum, Kubernetes, Docker, CI/CD, TDD, RESTful APIs, AWS (EC2, S3, Glue, Athena)

PROFESSIONAL EXPERIENCE

COMCAST – Software Engineer Intern

May 2023 – August 2023

- Led the evolution of video dimension ad request prediction and viewership forecasting by utilizing AWS technologies (S3, Athena, Glue), and Terraform resulting in the development of QuickSight dynamic 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 team collaboration with Git for version control, ensuring a smooth CI/CD pipeline via Tektons on Kubernetes

CODEPATH – Web Development Fellowship

January 2023 – April 2023

- Developed a strong foundation in JavaScript and React by building several applications from scratch, including an Event Finder app that utilized SeatGeek API to retrieve real-time event data across the US and Canada
- Mastered Supabase for database operations, including creating tables, schemas, and performing various CRUD operations
- Demonstrated problem-solving skills by debugging, issue resolution, and implementing features based on project needs

STARTUP ECOLOGY – Software Engineer Intern

June 2022 – August 2022

- Pioneered the development of a captivating game using JavaScript with React Framework, mirroring company ethos while maintaining clean and well-documented code
- Amplified user engagement by 46%, leading to a 14% annual growth in the company revenue, reinforcing market presence

CRSP - Machine Learning Researcher - [View](#)

September 2021 – August 2022

- Build anomaly detection model using ensemble technique by employing 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

ACADEMIC PROJECTS

Student Enrollment System (Java EE, JSP & Servlet, MySQL, MVC - [View](#))

- 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 (C#, .NET Framework, MS SQL Server - [View](#))

- Designed and developed a 4-tiered server-client 'Auto Rental Management System following Agile methodology
- 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

LEADERSHIP AND OTHERS

RippleMatch | Leadership Development Intern | Remote

March 2023 – May 2023

Interests and Hobbies – ML/AI, Mathematics, Trading, Gym, Hiking, Space Documentaries/Movies