PRASHANT SAH

prashantsah567@gmail.com | 929-343-0169 | New York, NY (Willing to Relocate) | GitHub | Portfolio | LinkedIn

EDUCATION

CUNY – New York City College of Technology   **Dec 2023**
Bachelor of Technology - Computer System (Software Development Track), 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, Intro to NoSQL, Project Management

SKILLS

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

Database & Architecture – SQL, MySQL, NoSQL, MongoDB, Microservices, MVC, OOP

Tools – Git, Linux, Tomcat, SDLC, Agile/Scrum, Kubernetes, Docker, CI/CD, TDD, RESTful APIs, AWS (EC2, S3, Glue, Athena)

EXPERIENCE

Comcast (New York, NY)
Software Engineer Intern   May 2023 – Aug 2023
- Led the evolution of video dimension ad request prediction and viewership forecasting by utilizing **AWS** technologies 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
- Contributed to a culture of innovation, collaboration, and continuous improvement by actively participating in **code reviews**, providing feedback on engineering best practices, and ensuring compliance with development procedures

Codepath (Remote)
Web Development Fellowship   Jan 2023 – Apr 2023
- Developed a strong foundation in **MERN** stack (MongoDB, Express.js, React, and Node.js) by building 10+ applications from scratch, including an Event Finder app that utilized SeatGeek API to retrieve real-time event data across North America
- Optimized **database performance** by implementing MongoDB across 20+ features, resulting in a 30% increase in data retrieval efficiency and a 25% reduction in response time for user queries
- Transformed conceptual ideas into functional prototypes, refining user interfaces and optimizing backend processes using **Node.js** to deliver seamless and engaging user experiences
- Meticulously assesses tasks, organizes and sizes them for gradual completion, while also anticipating and promptly communicating potential blockers and delays to **prevent escalation**

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 the market presence
- Revitalized team collaboration by implementing structured agendas and **agile methodologies** for sprint planning, boosting efficiency by 30% and facilitating timely project delivery
- Drove continuous improvement by incorporating feedback from code reviews to meet standards, while also ensuring all aspects of development follow **compliance and security** best practices

CUNY Research Scholars Program (New York, NY)
Machine Learning Researcher - *View*   Sept 2021 – Aug 2022
- Built **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

LEADERSHIP AND OTHERS

RippleMatch | Leadership Development Intern | Remote   Mar 2023 – May 2023

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