Rushikesh Kshirsagar

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SUMMARY

Resourceful team player and an adept programmer with in-depth knowledge of programming languages and tools. Aspiring to apply this skillset in developing applications, debugging programs, solving problems and adding value to the business.

ACADEMIC QUALIFICATIONS

New Jersey Institute of Technology (NJIT) • Newark, NJ   **Sept '20 - Present**
MS in Computer Science (Graduating May 2022)   **GPA 3.66/4.0**
Relevant Coursework - Data Structures and Algorithms, Operating Systems, Database Management Systems, Machine Learning, Deep Learning, Data Mining, Big Data, UI & UX Design, Internet Protocols, Web System Development.
University of Pune • Pune, India   **July '14 - May '19**
B-Tech in Information Technology   **GPA 3.7/4.0**

WORK EXPERIENCE

Research Assistant • NJIT • Newark, NJ   **Aug '21 – Present**
- Generated 15+ **KPI** reports for 2000+ users to identify and visualize patterns using **Excel** and **Tableau,** resulting in a 20% increased engagement
- Contributed to achieve and exceed the yearly publishable threshold from 20 to 42 research papers

Software Developer • Rises Analytics Solutions • Pune, India   **June '19 – Sept '20**
- Led full stack programming tasks for the development of large-scale AI powered medical applications **(ReactJS, Python and PostgreSQL)** resulting in successful deployment of 3 major products
- Built REST APIs and microservices **(Django)** along with a team of 4
- Helped optimize and maximize server uptime and clocked a **10%** increase compared to the year before
- Collaborated with stakeholders to develop architecture roadmaps **(Azure)** for optimizing the AI's throughput.

Software Developer Intern • PrepIIT • Pune, India   **Jan '19 – June '19**
- Developed a system **(ReactJS, PHP and MySQL)** that served as a base for analysing student data and made the grading process more efficient
- Designed wireframes to optimize the application development process **(Sketch)**
- Worked with the **PhoneGap SDK** to publish a single **HTML/CSS/JS** "WebView" to multiple phone platforms

TECHNICAL SKILLS

- Programming languages -   Python, JavaScript, TypeScript, HTML, CSS, Java, C++, R
- Databases -   MySQL, PostgreSQL, Azure, MongoDB, CouchDB
- Frameworks -   ReactJS, React-Native, AngularJS, Bootstrap, Flask, Django, Sketch, PhoneGap

PROJECTS

The Unbiased Newsroom – (https://play.google.com/store/apps/details?id=com.wabameister.project)
- Programmed and published (App store link above) a mobile application using **React Native** for Android and iOS.
- Implemented Natural Language Processing **(NLP)** to perform sentiment analysis on news articles and display them based on the user's political inclination

Object detection using TensorFlow
- Developed an application that detects Human Limb Movements captured through a live camera feed **(ReactJS, Python, TensorFlow)**
- Use Case: Judging the legitimacy of a pitch in Baseball/Cricket based on the pitcher's arm movement detected by the application **(OpenCV)**

CERTIFICATIONS

- Python Programming Masterclass • Udemy   Jan '20 – April '20
- UX Design Professional Certificate • Google   Aug '21 – Dec '21
- Data Analytics Professional Certificate • Google   Sept '21 – Dec '21

ACTIVITIES AND INTERESTS

- Avid member of the Highlander Chess Club
- Integral part of the 5-man roster of NJIT's E-Sports team
- Immensely curious about Astrophysics. Favourite book – Neil deGrasse Tyson's Death by Black hole