

Rishank Singh

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Professional Summary

5 years of experience in Software Development and programming, data management, analytics, and design. Skilled in leveraging advanced technologies to drive innovation and deliver impactful solutions. Committed to excellence, with a proven track record of exceeding expectations in dynamic and global settings.

Technical Skills

- Programming Languages: ReactJS, NextJS, JavaScript, PHP, Java, C++, C, Python, HTML, CSS
- Tools and Technologies: Visual Studio Code, NetBeans, IntelliJ IDEA, PyCharm
- Database: MySQL, Oracle, PostgreSQL, SQLite, MongoDB, Amazon RDS (Relational Database Service)

Professional Experience

RESEARCH ASSISTANT | UMASS BOSTON |

MAR '23-PRESENT

- Developed research devices and applications that were used for various research conducted for older adults to detect early dementia.
- Conducted literature reviews, ensuring comprehensive research material gathering for the latest developments in the field of voice assistant systems.
- Assisted in designing and executing experiments, surveys, or interviews, contributing to effective research methodologies.
- Collected data using diverse methods, conducted rigorous analysis, and interpreted results for meaningful insights.
- Demonstrated excellent communication skills, fostering collaboration with participants, colleagues, and professors, and facilitating smooth research activities.

Projects Undertaken:

- **Tracking Device:** Built a device to track the movements of older adults.
- **Diet Dashboard:** Build a dashboard to monitor the dietary plan for older adults.
- **Dementia detection:** Part of the research team to detect dementia in older adults using a voice assistant system.

STUDENT ASSISTANT | HEALEY LIBRARY, UMASS BOSTON |

APR '23-SEP '23

- Developed interactive dashboards to visualize complex data sets for strategic decision-making using Tableau.
- Diagnosed and resolved problems, offering technical support for seamless software usage by staff and patrons.
- Maintained precise records of updates, licenses, and configurations, ensuring the integrity of the library's digital resources.
- Created manuals, documenting update procedures, facilitating efficient knowledge sharing among staff.

Projects Undertaken:

- **Library subdomain:** Build new web pages for new subdomains for Healey Library.
- **UMBrella:** Enhanced the old existing application and added new more dynamic features using the latest tech stack.
- **Connect VPN Data:** Analysed and managed data using Tableau for the new VPN system used at the university.

ENGINEER | NOKIA |

FEB '21 - JUL '22

- Conducted in-depth research to identify software and hardware problems, swiftly diagnosing issues within servers, operating systems, and network configurations.
- Tracked and resolved system problems promptly, adhering to specified timeframes.
- Coordinated with internal teams to escalate unresolved issues, ensuring effective resolution.
- Developed and managed databases and logs for efficient reference, facilitating rapid and accurate technical solutions.
- Proactively optimized system performance by implementing adjustments and resolving bugs.
- Documented technical knowledge through meticulous notes, manuals, and timely reports.

Projects Undertaken:

- **Project management application:** Built an internal application to manage human and financial resources along with deadlines and productivity in a project.
- **Onboarding application:** Build an interactive react application for new joiners to the people and process of the firm.
- **Conference Application:** Part of team to build, manage and support teleconference meeting application.
- **IVR application:** Part of the team to build, manage, and support IVR application.

SOFTWARE ENGINEER | CHETU INC.**JUL '17 – NOV '20**

- Designed and developed forward-thinking systems that meet user needs and improve productivity.
- Evaluated project requirements and specifications and developed software applications that surpassed client expectations.
- Improved system performance by making proactive adjustments and resolving bugs.
- Documented all software development methodologies in technical manuals to be used by Software Developers in future projects.
- Specialized in domains such as human capital management and Healthcare management.

Projects Undertaken:

- **Jitsi conference application:** Software platform used for video communications (Meetings), messaging (Chat), voice calls (Phone)
- **Online video library application:** Online video library to maintain a healthy lifestyle at the time of the pandemic.
- **Human resource management application:** An application that could manage large-scale human resources in an organization.
- **Financial service dashboard:** A dynamic dashboard used to for very dynamic data like stocks and other financial services.
- **Mental health service application:** An application to ensure the mental health safety of an individual using online therapy.

INTERN | TEOCO**MAY '16 – JUL '16**

- Gathered requirements and developed project plans.
- Performed tests of prototypes and final products.
- Completed reviews of codes, requirements, and project plans.

Projects Undertaken:

- **CONNECT tool:** Managed database for connect tool.

Education**UNIVERSITY OF MASSACHUSETTS, BOSTON****EXP MAY '24**

- Master of Science: Computer Science
- Current GPA: 4.0/4.0

RAJASTHAN TECHNICAL UNIVERSITY, JAIPUR**MAY '17**

- Bachelor of Science: Computer Science
- GPA: 3.0/4.0

Awards and recognitions

- Research paper published in college research journal 2016 edition.
- Presented paper at 1st International Conference on “Innovative Advancement in Engineering and Technology (IAET 2014)” at Jaipur National University, Jaipur, India.
- Presented paper at the 4th National Conference on Emerging Technologies in Computer Engineering (NCETCE-2014) at Swami Keshvanand Institute of Technology, Jaipur, India.
- Awarded for Best Project of the Quarter at Chetu Inc. in 2018.