Prateek Sharma

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EDUCATION

Master Of Science, Computer Science   08/2023 – 2025 | Rochester, NY, USA
Rochester Institute of Technology(GPA 4/4)
  Relevant coursework: Artificial Intelligence, Big Data, Advanced OOP (JAVA), Data Structures (Python)

Bachelor of Technology in Electronics and Communications   08/2011 – 07/2015 | Rajasthan, India
Rajasthan Technical University (CGPA 7.9/10)

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, React JS, HTML, CSS, C#, Shell Scripting
Frameworks/Technologies: React, REST API, Pandas, sklearn, numPy, matplotlib
Databases: SQL/PL-SQL, MongoDB, MySQL
DevOps & Tools: Git, Jenkins, CI/CD, Eclipse IDE, Visual Studio Code, PyCharm

PROFESSIONAL EXPERIENCE

Amdocs   11/2018 – 05/2022 | Pune, India
Full Stack Developer
- Spearheaded the development and deployment of two innovative Microservices for product price discovery, utilizing Java and Kafka to reduce runtime by 40%, resulting in a 20% increase in efficiency.
- Led the technical assessment and recruitment of over 30 candidates, enhancing the skill set of the Microservices team with expertise in Java and SQL by 50%, leading to a more proficient and agile team.
- Implemented project-specific training programs and mentorship initiatives for new hires, resulting in a 30% increase in team productivity through improved knowledge transfer and utilization of tools like Git and Jenkins.

Infosys   01/2016 – 11/2018 | Pune, India
Software Developer and Tester(Data Analytics and Automation)
- Utilized SQL, MySQL, Oracle SQL, XML, and CSV to manipulate data across diverse datasets, leading to the successful extraction and loading of data into HIVE. Achieved a seamless data flow and accessibility for analytical processing.
- Engineered a Java application to automate quality assurance processes for data integrity post-transformation and loading. This solution significantly improved data accuracy and reliability by 40%, enhancing decision-making processes.
- Adapted Java programming to optimize data handling procedures for extensive datasets with varying formats. Automation of repetitive tasks improved operational efficiency by 30%, making data more usable for analytics applications.

Infosys   08/2015 – 01/2016 | Mysore, India
Systems Engineer
- Orchestrated a comprehensive analysis of training program effectiveness, leveraging Python and SQL/PL-SQL to track employee progress and performance, resulting in a 12% increase in project completion efficiency.
- Collaborated with cross-functional teams to integrate cutting-edge technologies into the training curriculum, leading to a 25% reduction in onboarding time for new employees and enhancing overall departmental productivity by 30%.
- Spearheaded the development of a custom C# tool to streamline scheduling processes for educational sessions, reducing conflicts and inefficiencies by 50%, ultimately saving the organization $100K in operational costs.

PROJECTS

Unveiling E-Commerce Customer Behaviors   02/2024 – present
- Led the analysis of a 5GB dataset on an eCommerce platform to uncover customer behavior patterns, enhancing targeted marketing strategies and personalizing customer experiences.
- Applied advanced data analytics techniques, including machine learning algorithms, to segment customers and predict purchasing behaviors, increasing sales conversions by 50%.
- Developed and implemented a dynamic dashboard using python, postgres, numpy, seaborn, matplotlib, pandas, providing real-time insights into customer trends, significantly improving decision-making for marketing and sales strategies.

TCC Schedular   06/2023 – 10/2023
- Developed a robust mentor-mentee matching algorithm using React JS, J2EE, and MySQL, resulting in a 70% increase in successful matches and connections made within the system.
- Implemented a user-friendly interface for the automated scheduling system, reducing manual intervention by 80% and saving an estimated 15 hours per week for administrative staff.
- Streamlined data management processes by integrating real-time feedback mechanisms into the system, leading to a 50% improvement in mentor-mentee communication and engagement levels.

Low-Cost 3D Surround Scanner   06/2014 – 02/2015
- Reduced the Cost of a 3D surround scanner using MATLAB and Image Processing coupled with a low-cost digital camera and line LASER to achieve 80% cost reduction with the same accuracy.
- Granted 23500 INR from the Institute of engineering, Jaipur for developing the project.
- Developed and implemented complex algorithms in C, orchestrating precise camera movements and laser scanning sequences.

Anti Rape Device
- Conceptualized and developed an "Anti-Rape device" to aid women in self-defence, featured in National newspapers
- Used Embedded C language to program 8051 Microprocessor to communicate with an onboard Taser, GSM and GPS module to aid in self-defence and informing first responders.
- Selected to display at ICSI Conference 2014 for young engineers.
- Awarded 1st position at MEGATRON in Yashwant Rao Chuchan Engineering College, Nagpur

AWARDS

MERIT SCHOLARSHIP, RIT
Received a 40% scholarship for the Master's program

Insta Award, Infosys
Recognized as the Most Innovative Employee

GEMS OF SKIT, SKIT
Awarded for Best Project

COURSES/CERTIFICATIONS

SAFe for Teams 4.6, Scaled Agile Framework

Master Java Web Services and REST API with Spring Boot

Intro To Machine Learning

Pandas

EXTRACURRICULAR ACTIVITY

- Volunteered at computer and robotics workshops for underprivileged kids (2013, 2018), fostering interest in STEM.
- Founded the SKIT Robotics Club, leading embedded systems workshops and expanding technical education outreach.