VRUDDHI KAPRE

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EDUCATION

Purdue University, Indiana, USA　　　　　　　　　　　　　　　　　　Aug 2022 - May 2024
Masters of Science in Computer Science　　　　　　　　　　　　　　　　　　GPA 4.00

University of Pune, Maharashtra, India　　　　　　　　　　　　　　　June 2017 - May 2020
Bachelor of Technology in Computer Engineering　　　　　　　　　　　　　　　GPA 3.5

Maharashtra State Board of Technical Education, Maharashtra, India　　　　June 2014 - May 2017
Diploma in Computer Engineering　　　　　　　　　　　　　　　　　　　　GPA 3.5

TECHNICAL SKILLS

- **Languages:** Java, C++, C#, Python, R, HTML
- **Cloud Computing:** AWS Certified Solutions Architect - trained
- **DevOps:** Dockers, Kubernetes, Containerisation, Orchestration, Ansible, Terraform, Git, Bitbucket, Jenkins, CI/CD
- **Databases:** DBMS, MYSQL, Distributed Database, Big Data, Hadoop
- **Tools and Technologies:** Linux, Automation, Security, Troubleshooting, Jira, Postman, Eclipse, Pycharm, Confluence

EXPERIENCE

Teaching Assistant　　　　　　　　　　　　　　　　　　　　　　　Aug 2023 - Present
Purdue University, Indiana

- Teaching assistant for the courses Database Design and Rapid Prototyping.
- Conducting Lab sessions, graded examinations and guided students for their projects and assignments.

Junior Data Scientist　　　　　　　　　　　　　　　　　　　　　Jan 2023 - May 2023
Purdue University, Indiana

- Researched and worked on prediction models to help people access scholarly content in data science in foreign languages. Utilized R and other technologies to analyze data and create predictive models.

Software Developer　　　　　　　　　　　　　　　　　　　　　Sept 2020 - May 2022
Amdocs, India

- Automated and optimized manual tasks from identifying system requirements and application dependencies to software implementation, testing, and configuring alarms, monitors, and dashboards.
- Led end-to-end pipeline for AtomIQ product team in reducing several toils in SRE.
- Designed, developed, and deployed atoms in Python, and created JESI flow which reduced 50% of man-hours during the deployment phase, leading to a 30% improvement in efficiency.
- Improved ticket resolution time by 80% using auto-resolution, contributing to a 20% increase in customer satisfaction.
- Contributed to the reconciliation process for generating internal and external reports, resulting in 25% reduction in errors.
- Managed a team of 10 members through effective training and knowledge transfer sessions.

Software Engineering Intern　　　　　　　　　　　　　　　　　　May 2019 - Jul 2019
Primus SAP Academy, India

- Designed and implemented IoT-based project using Python, Arduino, Sqlite3, and IBM cloud like technologies.
- Collaborated with other interns and worked on clean code practices for the project.

ACADEMIC PROJECTS

Diamond Price Prediction using R　　　　　　　　　　　　　　　　Aug 2022 - Dec 2022

- Analyzed various factors influencing diamond prices and achieved over 95% accuracy in diamond price prediction using Linear Regression, Support Vector Regression, and Random Forest Regression algorithms.
- Conducted feature engineering and exploratory data analysis to optimize predictive models

Image Classification using Deep Learning　　　　　　　　　　　　　Jun 2019 - May 2020

- Developed an android application for Appzen company that allows users to capture and upload images for OCR processing.
- Provided a database with a vast amount of data, which can be accessed, modified, and updated through a user interface.

Accident Detection and Alert System　　　　　　　　　　　　　　Jun 2016 - May 2017

- Designed and implemented an application that detects accidents using a vehicle's speed and an android phone sensor that is an accelerometer and emergency contacts receive an alert message of the accident.