Gaurav Hoskote

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EDUCATION

Arizona State University   **Aug 2022 - May 2024**
Master of Science (MS) in Computer Science, *GPA: 3.89/4.00*

Pune Institute of Computer Technology (PICT), India   **Jul 2015 - Oct 2019**
Bachelor of Engineering (BE) in Electronics and Telecommunications, *CGPA: 7.75/10.00*

WORK EXPERIENCE

DHL Global Forwarding   **June 2023 - Present**
IT BPO Intern
- Focused primarily on data science and visualization initiatives, tasked with analyzing usage patterns of the internal application "MyDHLi". Leveraged data insights to drive enhancements, resulting in a notable 22% increase in app utilization.
- Utilized Qlik Sense for creating data visualizations and deployed Python scripts on an Azure server to generate insights, facilitating informed decision-making regarding the usage of the "MyDHLi" application.

Seidman Research Institute   **March 2023 - Dec 2023**
Programming Technician/ Data Scientist
- Worked on the Job Growth Project that focused on creating an ETL pipeline that extracted publicly available job data from the Government website and performing operations to find the percentage job growth across different categories. The pipeline used AWS RDS for storing data and data processing tools like SQLAlchemy, pandas, numpy, etc.
- The link to the website can be found here.

WP Carrey School of Business   **Aug 2023 - Dec 2023**
Teching Assistant
- I've been instrumental in guiding students through Python coding and Machine Learning assignments in my role as a teaching assistant for courses CIS 591 and CIS 508. I've developed an auto-grading system that incorporates generative AI using ChatGPT APIs for providing personalized feedback to students. This system also maintains a detailed log of student information, enhancing the grading process.

Phonepe Pvt Ltd   **Feb 2020 - Aug 2021**
Software Engineer
- **Anomaly Detection**: Developed and scaled a system that proactively identified fluctuations in transaction success rates, mitigating potential financial losses.
- **Reconciliation Services**: Designed and implemented ETL pipelines for reconciling transaction data with partner merchants, extracting information from diverse sources including SFTP servers and REST APIs. Played a key role in designing scalable Reconciliation systems for industry leaders like Visa Cybersource, Airtel, and Billdesk, each generating monthly revenues surpassing one million dollars.
- **Product Service API**: Engineered robust product service APIs tailored for the credit card category, optimizing the Operations Team's workflow and reducing average ticket response times by over 67%.
- **Leadership**: As the Product Owner for Credit Card, provided effective leadership to a team of four, ensuring seamless product operations. Implemented proactive enhancements, resulting in a remarkable 20% increase in transaction success rates.
- **Engineering Excellence**: Led engineering excellence initiatives, resolving 20+ system issues and delivering notable improvements. Ranked 4th out of 31 teams in the company-wide hackathon, showcasing exceptional skills.
- **Hiring**: Conducted over 15 technical interviews and hired new talent to join the company. Link of Project Details.
- **Techstack used**: Java(Dropwizard), Python, Swagger, Grafana dashboards, Foxtrot Query Language, MySQL DB, Influx DB, Crontab.

HSBC Software Development India   **Jul 2019 - Jan 2020**
Software Engineer
- After completing training in Web Technology, joined HSBC's Due Diligence Team and worked closely with project managers to ensure smooth delivery of features projects by implementing best coding practices.
- Refactored the Channel Services component to resolve and debug issues, significantly improving performance. Additionally, worked on multiple projects to streamline the customer onboarding process, resulting in increased efficiency.

PROJECTS

Auto Evaluation API for LMS Systems -*Django, Python, OpenAI, MS Azure*   **Dec 2023**

PyTorch NoCode Web Platform for building Neural Nets -*Flask, Python, Pytorch, React JS, PostGresDB*   **Jan 2023**

Autograd Engine for Neural Network gradient Calculation -*C++*   **Jan 2023**

Image Captioning Service using ResNet50 and Xception Model - *Python, Keras, TensorFlow, PyTorch*   **Nov 2022**

Geospatial Operations Console - *JavaScript, Flask, Python, Scala, Apache Sedona, DeckGL*   **Nov 2022**

Auto Scalable Image Recognition service using AWS - *Flask, Python, Boto3, AWS - EC2, S3, SQS, Lambda, DynamoDB*   **Mar 2022**

Library Attendance Management App - *Java Swing, MYSQLDB*   **Mar 2019**

SKILLS

- **Programming Languages:** Python, Java, C++, JavaScript, MATLAB, Linux Commands.
- **Databases and DevOps Tools:** MySQL, Postgres, Apache Spark, Elastic DB, DynamoDB, Foxtrot, InfluxDB, Grafanna, Apache Kafka, RabbitMQ, Apache Hadoop, Redis, Apache Airflow, PGBulkload, Git, Jenkins, Maven, Docker, Hibernate.
- **Libraries/Frameworks:** Spring Boot, Flask, Django, Postman, React, Postman, Numpy, Pandas PyTorch, Keras, Tensorflow, Boto3.
- **Relevant Coursework:** Machine Learning, Data Mining, Knowledge Representation, Data Processing, Spatial Data Science.
- **Skills:** System Design, Distributed Systems, Algorithms and Data Structures, Design patterns, API Development, Data Science.