

Gaurav Hoskote

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EDUCATION

Arizona State University, Tempe, AZ

Aug 2022 - May 2024 (Exp)

Master of Science (MS) in Computer Science

Coursework: Foundations of Statistical Learning (CSE 569), Statistical Machine Learning (CSE 575), Spatial Data Science (CSE 594)

Pune Institute of Computer Technology (PICT), India

Jul 2015 - Jun 2019

Bachelor of Engineering (BE) in Electronics and Telecommunications

CGPA: 7.75/10

Coursework: Data-Structures and Algorithms, Object-Oriented Programming, Computer Networks and Security, System Programming and Operating Systems.

SKILLS

- **Programming Languages:** Java, Python, C++, JavaScript, MATLAB, Linux Commands.
- **Web Technologies:** Spring Boot, Django, Flask, HTML, CSS, JUnit.
- **Machine Learning/Data Science:** Tensorflow, Scikit-learn, Keras, OpenCV, Pandas, NumPy, Matplotlib, NLTK
- **Database Technologies:** MS SQL Server, MySQL, PostgreSQL, Spark SQL.
- **DevOps Technologies:** Jenkins, Maven, Git, Docker.
- **Developer Tools:** Spring Tool Suite, Eclipse, Postman, VS Code, JIRA, Confluence, Android Studio.

PROFESSIONAL EXPERIENCE

Phonepe (Flipkart/Walmart) Ltd

Feb 2020 - Aug 2021

Member of Technical Staff

- Developed a system that can detect anomalies by tracking transaction failures and alerting the team on low success rates for specific service providers. This helped detect anomalies and helped prevent losses of over 30 lakh rupees.
- Also worked on Reconciliation systems. A system for sending, receiving, and reconciling data with partner merchants. Data was transferred via SFTP and API calls. Designed Recon systems for service providers like Visa Cybersource, Airtel, and Billdesk. The total contribution of every service provider to the total revenue was more than a million dollars per month.
- Owned Credit Card as a Product and was responsible for making sure that the category functions smoothly. Implemented various improvements from the security aspect of the product. The Credit Card category went from having a success rate of 77 percent to 93%.
- Worked on various other projects and debugged many issues in the system and implemented the required improvements. Also took part in the company hackathon and designed the backend for an NLP feature that was integrated into the app for visually impaired users.
- Techstack used: Java (Dropwizard), Python.

HSBC Technologies India

July 2019 - Jan 2020

Software Engineer

- Completed training in Web Technology and joined the Due Diligence Team at HSBC and worked closely with project managers in ensuring smooth deliverables by ensuring best coding practices were implemented.
- Techstack used: Java (Springboot)

TECHNICAL PROJECTS

Spectrum Sensing for Cognitive Radio using Machine Learning

2019

Cognitive radio can be configured to use a band of the spectrum with no data being sent on it. Used SVM to classify the signals as noise or data using eigenvalue-based detection. Obtained better accuracy for test statistic "Energy Detection". Working on publishing it in a journal.

Barcode Operated Attendance System

2018

Identified a scope of improvement in the existing manual register system used in the college and proposed a solution for the same. Developed a Java Swing and used MySQL DB to store and retrieve student data. The project helped reduce the cost of maintaining manual registers. Was rewarded with a cash prize and certificate for this in-house project by the College.

Lighting Automation using Digital Image Processing

2018

The project focuses on automating the lighting of a classroom using face detection. Each frame of the live video stream was divided into segments and the Haar Cascades algorithm was used to detect the faces. The lights were switched on based on which segment the faces detected were present in. The project was approved to be installed in the university classroom.

CERTIFICATIONS | EVENTS | EXTRAS

- Certifications: Deep Learning Specialization by Deeplearning.ai, Mathematics for Machine Learning by Imperial College London, Machine Learning by Stanford University.
- Stood first in the lightweight cryptography workshop.
- Conducted Workshops on Data Structures and Algorithms. Was a member of the Algorithms Club in College.